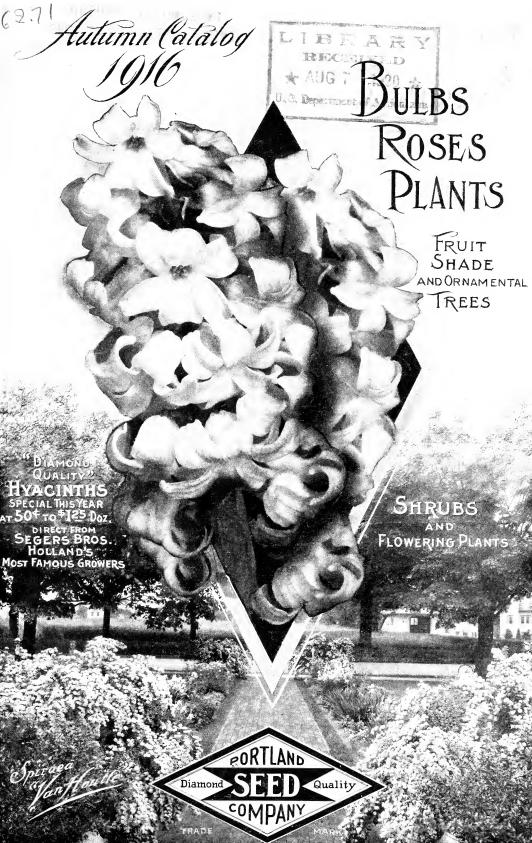
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Do not assume content reflects current scientific knowledge, policies, or practices.





Bulb Planting Tables

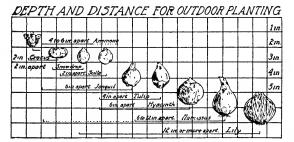
Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths

Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

	Total No. of Bulbs Required		No. of BulbsRequired for Two Outer Circles Only.	
Dlameter of Bed	Tullps	HyacInths	Tullps	HyacInths
$3 ext{ feet}$	64	36	50	31
4 feet	113	50	68	45
$5 ext{ feet} \dots$	177	80	87	57.
6 feet	254			69
7 feet	346		122	82
8 feet	452		140	95
9 feet	573		160	110
10 feet	707	330	180	120

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.



HYACINTH GLASSES

These are for Growing

HYACINTHS AND NARCISSUS

In water, see page 5

Price Each, 20c; doz. \$2.00

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of Chrysolora, yellow.

No. 2—Round Bed in four sections, first quarter Cottage Mald, pink; second, Chrysolora, yellow; third, Artus, scarlet; fourth La Reine, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with Kalserskroon scarlet edged gold, in center, Belle Alliance scarlet, next, then La Reine white, and on the outside rows Chrysolora yellow.

No. 4—Bed in Three Sections or Rows; Joost van Vondel, cherry red with white stripe; Rose Grisdelin, pink; Yellow Prince, bright yellow.

No. 5 — Double Tullps — Rubra Maxima, scarlet, and La Candeur, white, give a fine showing, holding their form and lasting well.

No. 6—Single May Flowering— White Swan, Gesnerlana Spathulata, rich crimson, and Bouton d'Or, pure deep yellow, can be used in pleasing combination. They are tall growers (18 inches) and the best of their colors.

Solid Beds of Murillo, early double light pink, Rose Grisdelin, early single, delicate pink, Couleur Cardinal, bronze scarlet and Pink Beauty, a lovely flower, the finest pink, are very attractive and give a display that cannot be excelled by any combination of colors.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our "Diamond Quality" Bulbs will Give You Satisfaction

Portland Seed Company's AUTUMN CATALOG

Trees, Roses, Bulbs, Plants



FALL 1916 - SPRING 1917

BETTER VALUES AND EXCEPTIONAL QUALITY owing to a favorable growing season and the condition of the European market will be the rule on Bulbs, Roses, Plants and Trees offered in this Catalog.

THE IMPORTED STOCKS listed herein are from the best producers and our Oregon grown trees and plants are big, healthy, vigorous, and pass a careful official inspection before delivery.

FALL PLANTING will give splendid results west of the Cascade Mountains as dormant stock can be planted throughout the entire Winter and the plants will become well established for the Spring growing season.

BULBS, EVERGREENS, PAEONIES, and many other special items are best planted in the Fall in in any section, and as our experience qualifies us to advise in reference to plantings for either permanent or temporary effects, our suggestions may prove helpful and aid you in securing the best results at the least expense.

THIS SPECIAL SERVICE is without cost or obligation, and if you contemplate improving your home grounds or making commercial plantings, we would urge that you profit by the present favorable obportunity.

IMPORTANT---PLEASE READ CAREFULLY

- WHEN TO ORDER.—We issue this Catalogue in September, but customers can order at any time and goods will go forward in season, as follows:
- FLOWERING BULBS.—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

If you are not ready to plant bulbs when received, put them away in a cool, dry place and they will keep for weeks.

See Cultural Directions under the different headings for best time to plant.

ROSES.—In our list will be found the recent introductions of the world's great rose specialists, if there is a novelty of real merit we can supply it. Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them out the better they will grow.

PALMS, POT AND HOUSE PLANTS.—We carry a splendid assortment and can furnish nice plants during the whole year. Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

FRUIT, SHADE AND ORNAMENTAL TREES AND SHRUBS.—We ship these from October until June and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

COMPLAINTS OR PRAISES.—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

WE NEVER SUBSTITUTE without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. But always labeled true to name.

MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices to points in the United States. Alaska, Canadian and foreign postage extra. All other items F. O. B. Nursery unless otherwise stated

WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS. SEND MONEY by postoffice or express money order, bank draft or registered letter. DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

PORTLAND SEED COMPANY.

NARCISSUS "Paper-White"

GRANDIFLORA

Early Flowering Bulbs

FOR INDOOR PLANTING

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, bearing from six to twenty-four flowers each.

PAPER WHITE—Grandiflora. Flowers pure white, especially desirable for their beauty and delicious odor. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December, if potted early. Forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 5 under Hyacinths. Each, 5c; doz., 40c; 100, \$2.50.
GRAND MONARQUE—Large, pure white, with lemon cup. One of the finest in this class.

Each, 6c; doz., 65c; 100, \$4.50 GRAND SOLEIL D'OR-Rich yellow, with orange cup; fine for bedding and cutting.

Each, 6c; doz., 65c; 100, \$4.50

THE PEARL-Pure white flowers of mammoth size and very fine; looks very much like the Grandiflora, but is much larger.

Each, 6c; doz., 65c; 100, \$4.50

EXTRA FINE MIXED . Doz., 50c; 100, \$3.25

French Roman Hyacinths

WHITE, PINK, BLUE

A charming class of Hyacinths, extensively grown by florists for Winter flowering. Each produce several very graceful flower spikes. The delicious perfume, earliness and pro-fusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown and so early that if potted early they can be brought

into flower in November and December, and a succession can be had in bloom throughout the Winter and early Spring.

The best effect is produced by planting four to twelve bulbs in

the shallow bulb pots. They may also be planted outdoors.

For cutting purposes the Roman Hyacinth is the finest bulb grown and is most valuable for early planting in the house. Be sure to state whether you want White, Pink or Blue. White "Romans" are the best bloomers.

Prices, each, 7c; dozen, 75c; 100, \$4.75.

OXALIS

Charming little half-trailing or bushy plants, particularly adapted for pot culture and hanging baskets; the foliage alone is very attractive, and when in flower they are exceedingly pretty.

BERMUDA BUTTERCUP—Bears in profusion, bright, golden yellow flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; produces a mass of pretty foliage covered with hundreds of buds and flowers at one time. For forcing, plant the bulbs in light, rich soil and set in a cool place for several days, then remove to a warm, sunny Single, Each, 4c; doz., 35c; 100, \$2.00 window.

GRAND DUCHESS-A California variety of great beauty; of dwarf, sturdy growth: free flowering and very desirable. Pink, lavender, Each, 4c; doz., 35c; 100, \$2.00 or white FINE MIXED-A choice collection of the best colors, making a pleas-

Each, 3c; doz., 25c; 100, \$1.50

For Growing in Pots or Glasses

FOR HYACINTH GLASSES See inside of front cover, FOR CULTURAL DIRECTIONS

See page 5.

ing effect in pots or baskets. Bulbs Prepaid in U. S. only. Postage to Canada, Alaska and outside points extra

Sacred Chinese Lily-Narcissus Orientalis

The "Shui Sin Far," or Water Fairy Flower, Joss Flower, or Flower of the Gods, etc., so called by the Celestials, is a variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume. They are grown by the Chinese, according to their ancient custom, to herald the advent of their new year and as a symbol of "good luck."

By method of culture original to them, they succeed in growing large, solid bulbs, which produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting.

These Sacred Lilies do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter.

This splendid flowering bulb increases in popularity each year, and we import annually, direct from China, immense quantities of the best bulbs—large, solid and well matured. Bulbs ready from September to April.

Each, 15c; 2 for 25c; doz., \$1.50, postpaid

FREESIAS

These popular winter blooming bulbs force readily, coming into bloom early, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in 4-inch pot.

PURITY—New Giant Freesia—A grand new Freesia of giant size and good substance, pure white, a vigorous grower and good keeper. First size bulbs. Doz., 40c; 100, \$2.50

REFRACTA ALBA—The flowers are pure white with a yellow blotched throat and are exquisitely fragrant. Doz., 30c; 100, \$1.50



CALLA LILIES

Lily of the Nile

CALLA AFTHIOPICA. Our well known White
Calla in its rare and stately beauty has few equals
as a pot plant, and nothing is easier to grow.
Plant one bulb to 6-inch pot, give an abundance
of water, light and heat. and the result will be
most satisfactory.

We offer dry roots (from September on), as they are superior for forcing and winter flowering purposes. They come into bloom quickly. First size bulbs...... Each, 15c; doz., \$1.50. Extra size bulbs...... Each, 20c; doz., \$2.00.

Godfrey Calla

The flowers are a beautiful snowy white of good substance and are borne continuously in the greatest profusion. Specially valuable to florists and as a house plant on account of their wonderful freedom of bloom.

Price, each, 25c; doz., \$2.50.

Calla Elliotiana

YELLOW CALLA. The finest of the yellow Callas, growing to perfection under ordinary pot culture. Treat same as White Calla. Flowers are a deep rich golden yellow, 4 to 5 inches in diameter, and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white; a grand novelty. Price, each, 35c; doz., \$3.75.

Arum Dracunculus

THE BLACK CALLA—A rare and interesting plant, grows well and flowers freely; always attracts much attention. Arum Dracunculus is the most magnificent of the Black Callas. The flowers are 18 to 24 inches long, of rich deep black with a velvet sheen of darkset purplish red.

Price, Each. 40c; doz., \$4.00; postpaid

LILY OF THE VALLEY Extra Select Berlin Pips.

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips and clumps are ready November to March.

SELECTED PIPS, for forcing indoors or planting outside. Each, 5c; doz., 40c; 100, \$2.50.

STRONG CLUMPS, for outdoor planting.

Each, 30c; doz., \$3.00.

NOTE.—Clumps can only be sent by express or freight at buyer's expense.

Washingtonianum.

(Mt. Hood Lily)

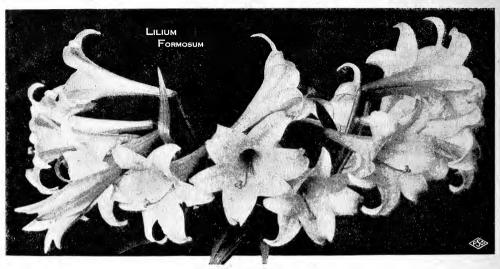
A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Choice buibs Each, 15c; doz., \$1.50.

Lilium Candidum

This is the ever popular, fragrant snow white hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early. Each. 20c: doz.. \$2.00

(EASTER SUNDAY) LILIES—Japan



A FTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

Planted outdoors during the fall or early spring they flower each year from June to October. We

Planted outdoors during the fall or early spring they flower each year from June to October. We have selected the finest types that bloom freely and in the various kinds listed below you will find Lilies suitable for every purpose.

Lilium Formosum

ifforms being early free blooming, healthy and vigorous, but for best results should not be planted earlier than November for Easter blooming. As too early planting produces a tendency to irregular growth and poor flowers. But if handled right later plantings produce uniform thrifty plants of a desirable height that flower freely. Our stock is of the best quality obtainable and is ready for delivery in August.

Mammoth bulbs......Each, 20c; doz., \$2.00 Large bulbs......Each, 15c; doz., \$1.50

Lilium Speciosum

No words can overstate the brilliant beauty of this charming class. Its six broad white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.

SPECIOSUM RUBRUM—White with dark rose spots. The most popular of the speciosum varieties. A hardy, vigorous grower and free bloomer.

Mammoth bulbs...... Each, 20c; doz., \$2.00. Large bulbs..... Each, 15c; doz., \$1.50.

SPECIOSUM ALBUM—Pure white, flowers freely. Large bulbs...... Each, 20c; doz., \$2.00.

SPECIOSUM RUBRUM MELPOMENE—White, shaded rich blood crimson, heavily spotted; very rich and showy.

Large bulbs......Each, 15c; doz., \$1.50.

Lilium Longiflorum-Giganteum

Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground. Plant in early December for Easter blooming.

ior Easter blooming.

Mammoth bulbs......Each, 20c; doz., \$2.00

Large bulbs......Each, 15c; doz., \$1.50

Lilium Auratum (Golden Banded Lily)

The handsomest and best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

Mammoth bulbs Each, 20c; doz., \$2.00
Large bulbs Each, 15c; doz., \$1.50
AURATUM PLATYPHLLUM—This is without

question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

Mammoth bulbs Each, 25c; doz., \$2.50 Large bulbs Each, 20c; doz., \$2.00

Tiger Lilies

TIGRINUM SPLENDENS (Improved Single Tiger Lily)—Has very large flowers of excellent form, color orange-salmon, with dark spots: hardy and a free bloomer.

Large bulbs......Each, 30c; doz., \$3.00

Florists' Supplies-We carry a complete line of High Grade Stocks at prices so reasonable that you cannot afford to "go East" for them. Write us your requirements or send in a trial order.

HYACINTHS

FOR centuries Hyacinths have been favorites with flower lovers the world over, the wonderful beauty of their dainty waxlike flowers, their rare fragrance and easy culture endear them to every grower.

The newer sorts have massive spikes of bloom of the most delicate and beautiful shades, from pure white through blush to pink, rose, and deepest red, from dainty porcelain to shades of blue and blueblack, and from cream to yellow apricot and orange.

Grown in the open ground or in pots and glasses indoors, their magnificent spikes of bloom are an ever

ending delight and the admiration of all who see them.

Hyacinths are of the easiest culture—blooming through a long season and can be brought on from early winter until late spring.

Our "XX" Grade.—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

Our "X" Grade.—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

Culture of Hyacinths

outdoor culture.—The preferable season is October, November and December, but bulbs give good results if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, top and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

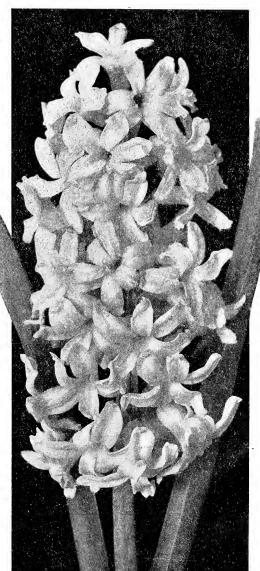
culture in Glasses.—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

When ordering Hyacinths for bedding refer to the table inside of front cover for number of bulbs required.

The assorted bedding Hyacinths we offer are fine large bulbs that will produce splendid spikes of bloom in the best colors. They are very low in price and much superior to the mixed bedding Hyacinths commonly sold and which are generally so variable in their shades of color as to spoil the general effect of the planting.

For bedding Hyacinths see page 7

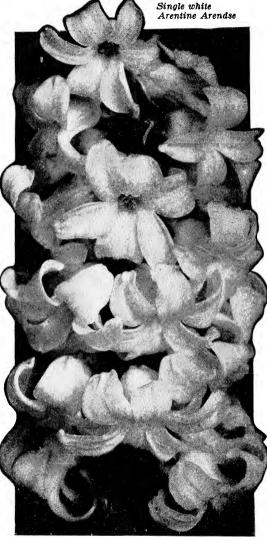


HYACINTHS--Continued

PRICES

except where noted XX Grade Each, 15c; Doz.\$1.25, Postpaid X Grade Each, 10c; Doz. 1.00, Postpaid

State varieties preferred. Special prices by the hundred.



Single Pure White

ARENTINE ARENDSE—Grand pure waxy white flower, with large spike and bells. A rare beauty.

BRITISH QUEEN—Pure white, very fine for early forcing, large compact spikes.

BARONESS VAN THUILL—Large, pure white, handsome, compact spikes, very early, grows well in glasses.

LA GRANDESSE—Extra fine snow white, large spikes of fine formed bells, a grand exhibition variety.

L'INNOCENCE—One of the earliest; pure white; fine for forcing.

MADAM VAN DER HOOP—Pure white. One of the best for general planting; flowers large and handsome; erect habit.

Single Blush White

GRAND BLANCHE—A fine blush white, flowers large and of excellent quality.

GRANDEUR A MERVEILLE—Lovely blush white, the best of its color; very large spikes.

MR. PLIMSOLL—Extra fine, blush white, large flower and bells.

Single Red and Pink

BARON VAN THUYLL—Fine pink, large spikes, early; forces easily.

CAVAIGNAC—Large salmon pink, forces well, a good keeper, extra fine for exhibition.

CHARLES DICKENS—This is decidedly one of the finest pinks; spikes large; easy to force.

GENERAL PELISSIER—Brilliant carmine, compact spike; an early forcer. One of the best.

GERTRUDE—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

GIGANTEA—Fine blush pink; giant, compact spike; a popular sort among gardeners.

KING OF BELGIUM—Fine deep scarlet; compact truss. Excellent bedder.

LADY DERBY—(New)—Lovely light rose pink. large spike.

MORENO—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.

NORMA—Pale, waxy pink, handsome, large and good forcer. Extensively planted.

LA VICTOIRE—(New)—Brilliant carmine red. forces early, extra fine.

LORD MACAULAY—Bright carmine pink, light center, large compact flower.

Single Yellow

BALL OF GOLD—Large compact spike, golden yellow, best of its color.

IDA—Best pure yellow, for early forcing, fine large spike.

KING OF YELLOWS—Fine, bright golden yellow, grand spikes, a superior bedding variety.

ALEXANDER OF **ORANGE**—Bright orange, large truss.

MAC MAHON—Rich yellow, large spike. Excellent flower, forces early.

YELLOW HAMMER—Golden yellow, extra fine flower, forces easily; exhibition variety.

Single Blue

GRAND LILAS—Extra fine porcelain blue, grand large spikes and bells; forces easily.

KING OF BLUES—Deep glossy blue, large compact spikes. The finest dark blue Hyacinth.

pact spikes. The finest dark blue Hyacinth. ENCHANTRESS—Clear pale blue; one of the

finest exhibition varieties.

MARIE—Splendid bedding variety of dark blue with purple shade.

LORD DERBY—Pearl blue, very large handsome spike, good for glass.

GRAND MAITRE—Deep porcelain blue; spikes large and handsome.

QUEEN OF THE BLUES—A beautiful light blue with silvery sheen: a large, handsome flower.

Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs

Price, each 15c; dozen, \$1.25

Double Red

BOUQUET ROYAL—Salmon pink, red center. **CHESTNUT BLOSSOM**—Light pink, large spike and bells.

NOBLE PAR MERITE—Deep red, fine large spike; early; fine forcer.

KOH-I-NOOR—Deep pink, semi-double, large flower.

LORD WELLINGTON—Large spike and flower; best of the double pinks.

Double Yellow

GOETHE—Light yellow, large spike, one of the best double yellow Hyacinths.

WILLIAM III—Rich orange yellow, good bloomer, one of the very best yellows.

SUN FLOWER—Fine pure yellow, best of its color.

Double White

BOUQUET ROYAL—Pure white, large spike.

LA TOUR D'AUVERGNE—Earliest pure white.

ISABELLA—Fine blush white; grand spike.

LA GRANDESSE—Magnificent pure white sport of the single La Grandesse.

Double Blue

CHARLES DICKENS—Dark porcelain blue, extra fine spikes and bells.

GARRICK—Deep azure blue, very large spike. VAN SPEYK—Beautiful shade of lilac, large com-

pact truss.

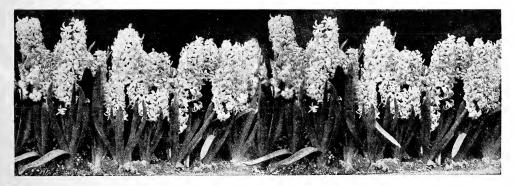


Double Huacinths

"DIAMOND Bedding Hyacinths--ASSORTED COLORS"

A superior grade of large size, selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing. They are low in price but of superior quality and will all produce fine spikes of bloom. These Hyacinths are not to be classed with the cheap grade of bulbs usually sold as "mixed" Hyacinths.

SINGLE—Pink, Red, Pure White, Blush White, Yellow, Dark and Light Blue. Each, 5c; doz. 50c. Per 100 \$4.00. DOUBLE—Pink, Red, White, Pure White, Yellow, Dark and Light Blue. Each, 6c; doz. 65c. Per 100 \$5.00.



Plant some shallow rooting annuals in your Hyacinth beds and they will come on and make a new beauty spot when the Hyacinths are past their blooming period. POPPIES, PETUNIAS, VERBENAS, PINKS and CANDYTUFT are among the best. We can furnish seed or fine thrifty plants in season.

TULIPS

Extra Select Large Solid Bulbs

WHETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection and no bulb makes such a gorgeous display of blossoms with so little cultivation.

Culture—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eightinch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done six months before planting.

Single Early Scarlet Tulips

ARTUS, B 7—Deep, brilliant scarlet, fine for forcing or bedding. Each, 3c; doz., 30c; 100, \$1.75

BELLE ALLIANCE, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding.

Each, 5c; doz., 40c; 100, \$2.50

PRINCE OF AUSTRIA, B 12—Bright orange vermillion, large sweet-scented flower, fine forcer and bedder.

Each, 4c; doz., 35c; 100, \$2.50.

VERMILLION BRILLIANT, B 8—A beautiful flower; forces easily and early; one of the largest and finest scarlets.

Each, 5c; doz., 50c; 100, \$3.00

Single White

ALBION, B 10—(White Hawk)—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance. Each, 5c; doz., 40c; 100, \$2.75

POTTEBAKKER, A 9—Pure white; fine large flowers. Each, 5c; doz., 45c; 100, \$2.75

JOOST VAN VONDEL—(White)—B 9—Finest and most handsome pure white Tulip, extra large. Each, 6c; doz., 55c; 100, \$3.60

LA REINE, B 8—Pure white; best white Tulip for forcing and bedding. Each, 3c; doz., 30c; 100, \$1.75

PLANT a few "ROMANS" and "PAPERWHITES" for early flowers
SEE PAGE 2

CRAMOISE BRILLIANT, B 10 (Sparkler)— Bright vermillion, large flowers of great substance, fine forcer.

Each, 3c; doz., 30c; 100, \$2.00 POTTEBAKKER, A 8—Bright scarlet; large fine

flower, good for forcing or bedding. Each, 5c; doz., 40c: 100, \$2.50

couleur cardinal, B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine. Each, 5c; doz., 50c; 100, \$3.25

Single Early Violet

VAN DER NEER, A 10—Large violet purple. fine form, early. Each, 7c; doz., 75c; 100, \$4.50

PRESIDENT LINCOLN, B 8—Pretty shade of lilac violet. Each, 5c; doz., 50c; 100, \$3.00

Single Yellow

CHRYSOLORA, A 9—Pure golden yellow, large and fine; excellent for bedding.

Each, 4c; doz., 35c; 100, \$2.25

GOLD FINCH, B 9—Golden yellow, sweet scented; forces easily and early; stands well, a good bedding sort. Each, 4c; doz., 35c; 100, \$2.50

MON TRESOR, A 10—Earliest golden yellow, fine large flowers, one of the best forcing Tulips.

Each, 5c; doz., 50c; 100, \$2.85

THOMAS MORUS. A 12—Apricot orange. The finest forcing Tulip of its color, large elegant form, very early.

Each, 4c; doz., 35c; 100, \$1.75

PRIMROSE QUEEN, B 10—A beautiful new Tulip; rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.

Each, 5c; doz., 40c; 100, \$2.25

GOLDEN QUEEN, A 13—A fine deep yellow, early and extra large.

Each, 5e; doz., 50c; 100, \$3.00

YELLOW PRINCE, B 9—Sweet scented; one of the very best for forcing; a fine yellow.

Each, 4c; doz., 35c; 100, \$2.00

Single Pink

ROSE GRISDELIN, B 7—Beautiful delicate pink, finest pink Tulip in cultivation.

Each, 4c; doz., 35c; 100, \$2.00

QUEEN OF THE NETHERLANDS, A 13— Large, light pink, fine globe-shaped flower. Each, 4c; doz., 35c; 100, \$2.50

QUEEN OF PINKS, A 15—(Princess Wilhelmina)—Deep rosy red, flushed white; large and very beautiful, height 15 inches.

Each, 5c; doz., 40c; 100, \$2.75

PINK BEAUTY, B 11—Bright rose pink shading to blush near yellow center. Has no equal in its class.

Each, 6c; doz., 60c; 100, \$4.00

PROSERPINE, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding Tulip. Each, 5c; doz., 50c; 100, \$3.65

Finest Single Mixed

This mixture contains all colors and shades, and is very fine for bedding.

Each, 3c; doz., 25c; 100, \$1.75



Single Variegated Tulips

BRUTUS, B 10 — Orange scarlet, edged yellow; fine for forcing. Each, 4c; doz., 35c; 100, \$2.00

COTTAGE MAID, B 9—White bordered with pink, extra fine and showy. Each, 4c; doz., 35c; 100, \$2.00

DUCHESS DE PARMA, C 10—Terra Cotta with yellow edge, good budding variety.

Each, 4c; doz., 35c; 100, \$2.25

FLAMINGO—Color white, flaked rosy red, fine for forcing. Each, 6c; doz., 55c, 100, \$3.75

JOOST VAN VONDEL, B 9—Deep, glossy, cherry red and white, large and attractive.

Each, 5c; doz., 40c; 100, \$2.25

KEIZERSKROON, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed.

Each, 5c; doz., 50c; 100, \$3.00

STANDARD ROYAL, B 9—Silvery white, feathered with cherry crimson. Each, 5c; doz., 50c; 100, \$3.00

BE SURE TO PLANT A FEW GROUPS OF THE

Giant Darwin Tulips

We Offer a Splendid Collection—See Page 12

Special Tulip Collections for Trial

FOR those who would learn the names of Tulips, their relative time of flowering and habit of growth, and to enable you to select varieties you prefer for special planting purposes, we offer one each of the following classes at reduced prices for trial. A knowledge of the classes and names of flowers increases the value and adds greatly to the interest and pleasure of gardening.

NO. 1 TRIAL COLLECTION—32 Early Single Tulips—One each of the named varieties listed on pages 8 and 9. \$1.10 postpaid.

NO. 2 TRIAL COLLECTION—17 May Flowering Tulips—Page 10. A splendid assortment of the most beautiful garden Tulips.

NO. 3 TRIAL COLLECTION—15 Finest Double Tulips—Useful for forcing or outdoor plantings, page 11. 55c, postpaid. NO. 4 TRIAL COLLECTION—19 Glant Darwin
Tulips—A select list of the most magnificent
varieties—see description above. These are for
outdoor planting.

90c, postpaid.

No. 5 TRIAL COLLECTION—6 Parrot Tulips—
The most wonderful and unique of all Tulips,
page 11. These are for outdoor planting.

20c, postpaid.



Single Tulips

May Flowering

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the fore-ground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

Diamond Collection

10 Most Beautiful SHOW TULIPS

CALEDONIA—Bright orange scarlet. Fine for Each, 4c; doz., 35c; 100, \$2.00 door cutting.

ELEGANS ALBA-White with red penciling on margin, gracefully reflexed petals, yellow anthers. Each. 7c: doz. 65c.: 100. \$4.35

ELLEN WILLMOTT-An exquisite shade of rich creamy vellow; large refined flower; delicious fragrance; long keeper. The finest May flowering Tulip. Each, 6c; doz., 60c; 100, \$3.65

INGLESCOMBE PINK-Salmon pink with blue base; one of the finest of the large May flowering Tulips.

Each, 4e; doz., 35e; 100. \$2.25

INGLESCOMBE SCARLET-Same form as the pink type Color a rich scarlet black base.

Each, 5c; doz., 50c; 100, \$2.75 INGLESCOMBE YELLOW-A large fine yellow of perfect form; may be used for yellow Darwin.

Each, 7c; doz., 65c; 100, \$4.25 ISABELLA - (Shandon Bells) - Cream turning to carmine large.

Each, 4c; doz., 35c; 100, \$2.00 LA MERVEILLE - A large bright scarlet, suffused apricot orange; gracefully formed, long pointed petals; one of the

most beautiful Tulips. Each, 4c; doz., 35c; 100, \$2.00

MRS. MOON—Large orange yellow. A superb Tulip, the Each, 7c; doz., 65c; 100, \$4.50 PRIMROSE BEAUTY-Soft primrose, changing to white; a

magnificent flower of the Willmott type. Each, 5c; doz., 40c; 100, \$2.50

SPECIAL—For trial, one each of these 10 beautiful rare Tulips for only 45c postpaid

Popular May-Flowering Tulips

BOUTON D'OR-Golden yellow, graceful form, beautiful flower. The only late pure deep Each, 4c; doz., 35c; 100, \$2.00 yellow. ELEGANS - RED --Dark rich crimson, reflexed

petals. Same beauty of form as Elegans Alba.

Each, 5c; doz., 40c; 100, \$2.20 GESNERIANA SPATHULATA—Blooms large; color rich crimson with dark center. Each, 5c; doz., 40c; 100, \$2.50 GESNERIANA LUTEA—Deep yellow, fine large flower. Each, 4c; doz., 35c; 100, \$2.00 GOLDEN CROWN-Deep yellow, with crimson edge; very showy. Each, 4c; doz., 35c; 100, \$2.00 PICOTEE—White with a pink border; fine for Each, 4c; doz., 35c; 100, \$2.00 cutting. WHITE SWAN-A lovely egg-shaped pure white flower on long stems; extra fine cut flower.

Each, 4c; doz., 35c; 100, \$2.00

Old Dutch Tulips

HESE Tulips are an old race having been grown in Holland long before the early sorts were known. The "BYBLOEMS" are striped and feathered rose or violet on a white ground. The "BIZARRES" are brown or maroon-red stripes and feathering on a yellow ground.

Bybloems and Bizarres flower about the same time as the later Darwins and require the same cultural treatment. They do not grow as tall, however, and show off to better advantage by themsleves or with the Rembrandt Tulips.

BYBLOEMS VIOLET—10 named varieties.
BYBLOEMS ROSE—10 named varieties.

BIZARRES—10 named varieties.

Each, 5c; doz., 50c; 100, \$4.00 Each, 5c; doz., 50c; 100, \$4.00 Each, 5c; doz., 50c; 100, \$4.00

Rembrandt Tulips A Strain of Variegated Darwin Tulips

OR garden purposes these striped forms have an oddity of character in which there are splendid decorative possibilities. They are also very effective when planted with Rose and Violet Bybloem Tulips. Each, 5c; doz., 50c; 100, \$3.75 10 named varieties. Assorted.

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

COURONNE D'OR, B 8—Fine yellow, the best double yellow for forcing, strong stem and stands handling well. Each, 5c; doz., 50c; 100, \$3.00

DUKE OF YORK, B 10—A lovely carmine having a white edge; very showy; fine for bedding Each, 4c; doz., 35c; 100, \$2.25

GLORIA SOLIS, A 9—Deep crimson, with a broad, golden yellow margin; a grand flower.

Each, 5c; doz., 40c; 100, \$2.35

LA CANDEUR, B 8—Pure white, very full and double; extensively grown in open beds.

Each, 4c; doz., 35c; 100, \$2.00

BOULE DE NEIGE (Purity), A—Pure white large paeony-like flower.

Each, 5c; doz., 50c; 100, \$3.25

ROSINA, B 15—Beautiful white tinged rose. Each, 5c; doz., 40c; 100, \$2.50

TOURNESOLL, YELLOW, B 13—Bright yellow, slight orange flush. Each, 5c; doz., 50c; 100, \$3.25

TOURNESOLL, A 9—Bright red, with yellow edge, sweet scented, large flower. One of the easiest doubles to force. Each, 6c; doz., 55c; 100, \$3.50

VUURBAAK, B 14—Bright scarlet, flushed orange; very attractive. Each, 5c; doz., 50c; 100, \$3.00

RUBRA MAXIMA, B 9—Bright crimson scarlet; superb variety for bedding; cannot be forced, flowers large. Each, 4c; doz., 35c; 100, \$2.50

SALVATOR ROSA, A 7—Beautiful deep rose, flamed with white; fine for forcing.

TITIAN—Scarlet, edged yellow. Height, 12 inch. Each, 5c; doz., 45c; 100, \$3.00

Each, 5c; doz., 40c; 100, \$2.25

Double Tulip, Murillo

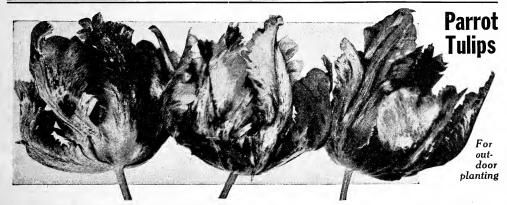
MURILLO, B 8—This is decidedly the best double pink Tulip for forcing or bedding; flowers large and full; very fine.

Each, 4c; doz., 35c; 100, \$2.15 FIRE KING—Beautiful orange-red, a very striking color. Height, 14 inches.

Each, 5c; doz., 50c; 100, \$3.25 MURILLO—SULPHUR (Brimstone Beauty)— Soft, pale yellow, shaded apricot, quite an unique color in double Tulips. Height, 12 inches. Each, 6c; doz., 60c; 100, \$4.00

EARLY DOUBLE MIXED—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

Each, 3c; doz., 30c; 100, \$1.75



PARROT Tulips have immense, attractive flowers of singularly picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut. They form extravagantly showy flowers of endless variety of form and color, and should be grown in every flower garden.

ADMIRAL DE CONSTANTINOPLE — Orange red, good size.

CAFE BRUN—Orange, red feathered; very showy. **CRAMOISE BRILLIANT** — Beautiful carmine red, large flowers; very fine.

LUTEA MAJOR — Golden yellow, extra fine and large flowers.

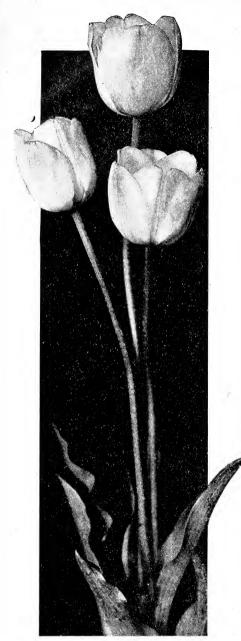
MARKGRAAF — Inside rich orange, outside scarlet and yellow, feathered, extra fine.

PERFECTA — Yellow, scarlet feathered.

NAMED VARIETIES

Each, 5c; doz., 40c; 100, \$2.25
FINE MIXED — This mixture contains a large as-

FINE MIXED — This mixture contains a large assortment of colors. Each, 3c; doz., 30c; 100, \$1.75



Giant Darwin Tulips

DARWINS are rapidly becoming the most popular Tulip for outside planting. They flower in May, are of giant size and have a majestic beauty distinctively their own that is invaluable for garden and landscape effects, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting. They come in the most varied and brilliant colorings, from white through dainty pinks, salmon, rose, and deep rich reds to black, lavenders, helitrope, blue, violet, purple, bronzes and browns, but as yet no pure yellow. Inglescombe Yellow, page 10, in the May flowering Tulips can be used and is known as the Yellow Darwin.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the fore-ground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location. They come in hundreds of varieties, of which we offer the following as the best of their color. Try them.

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. The form is the ideal Darwin type, and is conceded by all critics to be the most magnificent of its class; one of the grandest garden tulips and also forces easily, making splendid and lasting cut flowers, must be grown cool when forced.

Each, 5c.; doz., 40c; 100, \$2.25

BRONZE QUEEN—Extra large, light bronze yellow.
Each, 10c; doz., 90c; 100, \$6.00

EUROPE—Salmon scarlet, shaded rose.

Each, 5c; doz., 50c; 100, \$3.25

GRETCHEN—Large globular delicate pink flower, inside soft blush.

Each, 5c; doz., 40c; 100, \$2.25 FARNCOMBE SANDERS—Magnificent brilliant scarlet.

a finely formed giant flower; the best red Darwin.

Each, 5c; doz., 50c; 100, \$3.25

KATE GREENAWAY—One of the largest and latest; immense white flowers suffused with lilac.

Each, 5c; doz., 50c; 100, \$3.00

LA CANDEUR—(White Queen)—Splendid white flower tinged delicate blush; large size.

Each, 5c; doz., 50c; 100, \$3.25

KING HAROLD—Deep garnet red with purple black base. Splendid variety for border use. Strong stems.

Each, 5c; doz., 50c; 100, \$3.25

HIPPOLYTE—A unique color among Darwin sorts being a beautiful blue-violet shade.

Each, 6c; doz., 60c; 100, \$3.75

MASSACHUSETTS—Large flowers of vivid pink with white center. Splendid form and color. Superb for outdoor planting. Each, 5c; doz., 50c; 100, \$3.25

PHILIPPE DE COMINNES—Intense velvety black.
Large flower on strong stems. Fine for borders and one
of the earliest Darwins for forcing.

Each, 6c; doz., 60c; 100, \$3.75

SCYLLA—Fiery scarlet with blue base. Beautiful large flowers of bold habit and dazzling color. Good for forcing. Each, 5c; doz., 50c; 100, \$3.00

LA TULIP NOIRE—The Black Tulip, flowers large, lustrous and attractive, of fine form, true Darwin type, grows 24 inches high, May flowering. A rare novelty. Each 10c; doz., \$1.00; 100, \$7.00

MME. KRELAGE—Bright pink, lighter edge. Each, 5c; doz., 50c; 100, \$3.25

PRIDE OF HAARLEM—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.

Each, 5c; doz., 50c; 100, \$3.00

Each, 6c; doz., 60c; 100, \$3.75 Each, 8c; doz., 75c; 100, \$4.75

Each, 6c; doz., 60c; 100, \$3.60 Each, 6c; doz., 60c; 100, \$3.75

DREAM—Beautiful soft lilac self colored, extra large. **BARTIGON**—Carmine red; a great favorite and fine for forcing.

REV. EWBANK—Soft mauve, light edging.

LA TRISTESSE—Beautiful violet with light base.

MIXED-Each, 4c; doz., 30c; 100, \$1.75

Darwins are unrivaled for garden display and are beautiful and lasting when cut—don't fail to try them.

Crocus



HESE charming little flowers bloom at a time when the ground is destitute of foliage or other flowers. This makes them most welcome, and they should occupy a prominent place in every garden. When planted in borders or beds in one or more colors, the effect is striking. No spring display surpasses that of the Crocus. The broad, wavy banks of golden yellow, striped, purple, or of pure white, when they expand their blossoms in February and March, are incomparable.

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They will care for themselves, blooming very early amid the grass, and dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

Named Crocus

The following varieties are new and improved sorts, the finest of their color. Be sure to include them in your list. For forcing or special work the Named Crocus is best.

PURPUREA GRANDIFLORA—Bright purple, large, fine flower; best of its color.

Price, doz., 35c; 100, \$2.00

BARON BRUNOW-Bright purple, free bloomer, flowers large, extra fine. CLOTH OF

GOLD-Golden yellow, slightly veined red, flowers large.

CLOTH OF SILVER—Silvery white, striped lilac. KING OF THE WHITES-Mammoth snow white, truly the king of all white Crocus.

LOTHAIR—White with blue stripes, very beautiful and distinctive.

MONT BLANC--Large, pure white; one of the finest.

MAMMOTH YELLOW—Yellow, selected bulbs of large size; finest blooms.

SIR WALTER SCOTT-White, striped with purple, the best striped, very large.

Price, doz., 20c; 100, \$1.25

Mixed Crocus

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size. We have four colors. SSORTED—Blue, striped, white or yellow. Doz., 15c; 100, 75c. MIXED—All colors. Per 100, 60c

IAMOND QUALITY GRASS SEEDS are the choicest new crop seeds, recleaned and tested for purity and germination, and only those stocks that grade above the established standards are offered to our customers.

Our Special Mixtures have been carefully worked out by the tests and observations of practical experts familiar with the requirements and conditions to be met, and will give the best results possible to obtain for the uses for which they are recommended.

"Diamond" Fancy Lawn Mixture
O have a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late Spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest recleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turn of lasting quality that remains green throughout the year. Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

Growing tests have proved our "Diamond Quality" Lawn Grass to be superior to any other mixture for our Western soils and climate; it is also free from chaff and foul seeds, weighing 23 pounds to the meas-

ured bushel. This is a guarantee of clean, plump seeds, as cheap chaff seed is very light.

Single ib., postpaid, 45c; not prepaid, ib., 35c; 10 ibs., \$3.25

Write us for special mixtures for terraces, shady places, dry or wet land



"DIAMOND QUALITY"

NARCISSI

WE consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; coming in endless variety, adapting themselves to every planting condition or requirement, their stately and delicate beauty, exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

- **POLYANTHUS**—Flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.
- "DAFFODILS"—The Trumpet types are the most widely known, and some of the best garden varieties are of this class; they also force easily, making ideal pot plants.
- "STAR NARCISSUS"—The "Chalice Cupped" are the daintiest and most charming of all types. To this class belong the Incomparabilis, Barrii, Leedsii, etc., all splendid garden varieties that will give perfect results when grown in pots or forced.
- POETICUS or "PHEASANTS EYE" NARCISSUS—The White flowered give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.
- POETAZ NARCISSI—Are hybrids of Poeticus and Polyanthus types, forming a distinct and beautiful, free blooming, large flowered class that is attracting much attention and will be grown extensively as they become better known. They retain the polyanthus or cluster form of blooming, but the individual flowers are almost as large as the Poeticus types, equally valuable for bedding or forcing; extremely hardy.

Culture of Narcissi

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is 1½ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep, moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes, grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm.) Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.

New Cluster-Flower-Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, growth tall and stately, with clusters of delightfully fragrant flowers. They thrive and bloom in great profusion; good keepers, forcing or bedding.

ELVIRA—Long graceful stem, flower heads have three to four large blooms, broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each, 5c; doz., 50c; 100, \$3.25

IRENE—Deep cup, beautifully fluted, perianth sulphur yellow, superb.

Each, 8c; doz., 80c; 100, \$5.50

DAFFODILS

Popular Types of Trumpet Daffodils

THE trumpet types of Narcissi are the true old fashioned form of Daffodils, but we now have many new and wonderful sorts, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots. See page 14 for culture.

To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

One each of the following 10 Magnificent Single-Trumpet Daffodils Paid

ALBICANS—(2)—The "White Spanish Daffodil"
—Cream white, with silvery white trumpet
slightly flushed with primrose and elegantly recurved at brim. Each, 5c; doz., 50c; 100, \$3.00

BICOLOR EMPRESS-(3)-Perianth snow-white trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty. Each, 6c; doz., 60c; 100, \$4.25

BICOLOR VICTORIA — (2) —A magnificent large variety, bold and erect. A rare beauty; sweet-scented and the best of the bicolor varieties. Perianth white and of great substance; trumpet rich yellow.

Each, 6c; doz., 60c; 100, \$4.25

EMPEROR-(3)-A magnificent flower; perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils in cul-Each, 6c; doz., 60c; 100, \$4.25 tivation.

GLORY OF LEIDEN-(4)-A bold, giant daffodil, with golden yellow trumpet, perianth lighter, very erect, of fine form and good substance; free blooming, forces well, is a good keeper and very hardy in open ground; height 14 inches. First-class certificate, R. Each, 15c; doz., \$1.25

GOLDEN SPUR-(1)-One of the grandest Daffodlis, with extra large, bold, rich, golden yellow flowers, foliage very broad and striking; of robust habit and unsurpassed for gardens, pots and forcing.

Each, 5c; doz., 50c; 100, \$3.50 Double Heads, Each, 7c; doz. 65c; 100, \$4.50

MAD. DE GRAAFF-(4)-A lovely white daffodil. Opens with soft primrose trumpet passing to white, of perfect form, giant size, vigorous and free blooming; forces well and for garden or naturalizing in grass has no superior; height 16 inches. First-class certificate, R. H. S. Each, 15c; doz., \$1.25

PRINCEPS—(1)—A magnificent flower and one of the finest of the large trumpet type. As a forcing variety it is superior in every way; perianth pale sulphur; trumpet rich yellow. Each, 4c; doz., 35c; 100, \$2.28

TRUMPET MAJOR-(3)-Flower large and almost of a uniform deep golden; highly prized as an early forcing sort and largely planted for outside bedding. Fine for cutting.

Each, 4c; doz., 35c; 100, \$2.50

R WATKIN—Incomparabilis Type—(2)—
"The Giant Chalice Flower," or "Big Welshman." A gigantic variety, having immense, long-stemmed flowers, sometimes measuring five inches across, and is the largest variety grown. Color a rich light yellow, with a large, dark cup. tinted with orange. Each, 6c; doz., 60c; 100, \$3.75

"DIAMOND QUALITY" =

I received the bulbs ordered from you and they were the nicest bunch of bulbs I ever received from any one and I buy quite a lot. They are all large and solid and more than I paid for. I am well Very truly yours, pleased. Mrs. M. C. Currey.

For HARDY FERNS Suitable for SHADY BORDERS and ROCK WORK See Our Special Collection on Page 22



Double Daffodils

VAN SION—(Telamonius Plenus) (2) — "The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. This is the old favorite so highly prized and deserves to be planted in quantity where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring and it also one of the best winter flowering and and is also one of the best winter flowering and forcing sorts, immense quantities being used for this purpose.

Each, 5c; doz., 50c; 100, \$3.25

VAN SION-Double nose, extra large bulbs.

Each. 6c: doz., 60c; 100, \$4.00

SILVER (SULPHUR) PHOENIX-(3) - Very large flowers; pale creamy white, shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut flower.

Each, 5c; doz., 50c; 100, \$3.25

ALBA PLENA ODORATA—(6)—"The Double White Poet's Narcissus." — Double, snowwhite flowers, exquisitely scented; late flowering; cannot be forced.

Each, 4c; doz., 30c; 100, \$2.00

ORANGE PHOENIX—(3)—(Eggs and Bacon)— Beautiful double white flowers, with orange center: splendid for pot culture, cutting and garden Each, 5c: doz., 45c: 100, \$3.00 planting.

and

Poeticus Varieties

POETICUS VARIETIES—These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2½ inches across. are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye. with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed, they thrive, spread and improve every year.

GLORY—(4)—The new Poeticus, largest of the type. Snowy white, perfectly formed petals; a flower of great beauty, with every good quality.

Each, 6c; doz., 60c; 100, \$4.50 POETICUS (Pheasant's Eye)—(5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring, as they can be planted in borders out of doors, where they are perfectly hardy. and will bloom year after year. Does not force. Each, 3c; doz., 25c; 100, \$1.50

POETICUS ORNATUS — (4) — (The Improved Poeticus)—Pure white cup, edged with scarlet, much finer in form and earlier than Poeticus. A magnificent cut flower. Largely used for forcing. Each, 3c; doz., 25c; 100, \$1.50

Double Heads, each, 4c; doz., 35c; 100, \$2.25



Poeticus Type

"Chalice Cupped" or Star Narcissi

BARRII AND LEEDSII, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

Barii Types

BARRII CONSPICUUS—(4)—The finest of this class; long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. Firstclass certificate. R. H. S. Each, 3c; doz., 30c; 100, \$2.00

FLORA WILSON—(4)—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty. Each, 6c; doz., 60c; 100, \$3.50

Leedsii Types

The varieties listed below are among the most charming and beautiful of this lovely class; their dainty, graceful flowers are freely borne on long stems, and are very lasting; they are hardy, vigorous growers and low in price; once planted in the open ground they will thrive and increase for years, requiring no special attention. They also make most satisfactory pot plants.

LEEDSII WHITE—(Type)—Silvery white flowers of good size and form with deep daintily crinkled cups. Flowers are freely borne in clusters. A very pleasing and satisfactory variety.
• Each, 3c; doz., 30c; 100, \$2.00.

MRS. LANGTRY-(4)-A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow. First-class certificate. R. H. S. Each, 4c; doz., 35c; 100, \$1.90



"Flora Wilson"

FRANK MILES-(3)-Large, soft, clear yellow; petals gracefully curved and twisted. Each, 5c; doz., 50c; 100, \$2.75

QUEEN BESS—(1)—Pure white perianth, bright yellow cup, large and very early.

Each, 4c; doz., 35c; 100, \$2.25

Single and Double Jonauils

Rugulosus

Jonquils

A Species of Narcissus distinguished by Rush Like Leaves

Very popular on account of their easy cultivation and very fragrant, golden yellow blooms, which remain a long time in perfection. Easily grown in the house or open garden. Half a dozen bulbs can be put in a five-inch pot, and with the same treatment as recommended for Hyacinths a fine display can be produced from

January to April.

For garden display nothing is finer, they are lasting flower freely, are deliciously perfumed, and of a beautiful golden yellow; best of all they are inexpensive and should be planted freely.

JONQUIL CAMPERNELLE RUGULOSUS — Improved giant Jonquil, broadly imbricated rich yellow. Rugulosus — Improved giant perianth, wrinkled cup, beautiful Each, 3c; doz., 30c; 100, \$1.75

JONQUIL CAMPERNELLE RUGULOSUS PLENUS - Double yellow flowers of great beauty on tall, graceful stems.

Each, 5e; doz., 50c: 100. \$3.00

MISCELLANEOUS Solomon's Seal-Smilacena Racemosa

Our native wild flower; exceedingly ornamental, both in foliage and bloom. Grows about 3 feet high and bears pendant creamy white flowers in May and June. Prefers shady situation.

Each, 15c; doz., \$1.50

Erythronium (Dogtooth Violet)

DENS CANIS GRANDIFLORA, MIXED—Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming. Each, 4c; doz., 30c; 100, \$1.50

Trillium—Native Wood Lily

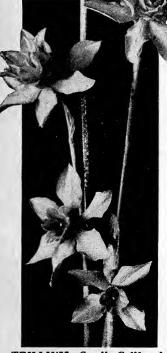
Beautiful and satisfactory flower for hardy border, in shady, moist situation, flowering early in the spring.

TRILLIUM-Sessile Californicum-Large, pure white flowers with purple center; very fragrant; a vigorous, strong plant.

Price, each, 10c; doz., \$1.00.

TRILLIUM-Sessile Snow Queen-Pure white, creamy center; petals broader than Californi-

Price, each, 10c; doz., \$1.00.



MISCELLANEOUS



Anemones

ANEMONE FULGENS - Scarlet Wind Flower. extra large, splendid for winter forcing or early spring flowers; a profuse bloomer, lasting well when cut. Doz., 35c: 100, \$2.50

ANEMONE DE CAEN—Giant French Poppy Anemone. All colors. Doz., 35c; 100, \$2.50

NEW-GIANT ST. BRIGIDS-A new race of Anemones far superior to any hitherto known. Flowers come double, semi-double and single, from 3 to 5 inches across and in many varied and brilliant colors, long stems, free blooming. Planted inside in the fall will flower during the winter or can be planted in open ground after danger of frost has passed. Try them.

Each, 4c; doz., 40c; 100 \$2.50

Allium

NEAPOLITANUM-An excellent variety for winter flowering, extensively forced by florists for cut flowers. Its flower stems are 20 inches high, supporting a large cluster of delicate white starry flowers; sure to bloom splendidly in any window.

Each, 3c; doz., 25c; 100, \$1.35

Scillas

SCILLA SIBERICA—This is one of the prettiest of early spring blooming bulbs, of dwarf habit, with sprays of exquisite rich blue flowers. Grown in masses in conjunction with Crocus, Chionodoxas and Snowdrops, the effect is charming; fine for forcing.

Each, 3c; doz., 25c; 100, \$1.25

SCILLA CAMPANULATA—A beautiful spring flowering bulb, producing, before the leaves appear, spikes of bell-shaped flowers in blue, white and pink.

Alba Maxima, Blue Queen, Rose Queen. Each, 4c; doz., 35c; 100, \$1.50

NEW-Sky Blue and Excelsior.

Each, 4c; doz., 35c; 100, \$2.00

SCILLA NUTANS—Alba Major—Blush Queen— Maior. Blue. Doz., 25c; 100, \$1.50

Snowdrops—Galanthus

The first flower to bloom in the spring, producing small but beautiful white blossoms before other outdoor plants are started. Plant about one inch apart in borders, beds or in clumps in the lawn, setting two or three inches deep. They come up from year to year and need not be disturbed until they become crowded.

SNOWDROP ELWESI (Giant Snowdrop)—Single. Two for 5c; doz., 25c; 100, \$1.25

SNOWDROP-Double.

Each, 3c; doz., 30c; 100, \$2.00

Ranunculus (See illustration)

Among dwarf flowers these are unrivaled for lovely form and bright attractive colors, ranging through gorgeous shades of white, crimson, yellow, purple and black, many of them being beautifully marked with other shades. They flower profusely in pots in the house during the winter and make an attractive addition to the border or flower garden in summer.

TURBAN, Named Varieties, Assorted—Paeonyformed flowers, large and early, vivid colors and compactly double. Each, 3c; doz., 25c; 100, \$1.35 GIANT FRENCH, Named Varieties, Assorted

—Immense and gorgeous, loosely formed double flowers. Each, 3c; doz., 25c; 100, \$1.35 PERSIAN, Named Varieties, Assorted — Roseshaped flowers, very double and rich.

Each, 3c; doz., 25c; 100, \$1.35

Sparaxis

A beautiful class of bulbs allied to the Ixias, and requiring the same treatment, producing spikes of the most exquisite and brilliant flowers.

Very fine mixed. Each, 3c; doz., 25c; 100, \$1.25

Ixias

The Ixia is a beautiful little flowering bulb, with low, slender, graceful spikes of bloom. The colors are rich, varied and beautiful. Culture same as Hyacinths.

Named Varieties, Mixed.

Each, 3c; doz., 25c; 100, \$1.35 Each, 3c; doz., 25c; 100, \$1.00 Fine Mixed.

Muscari Botryoides

GRAPE HYACINTHS—Very pretty early spring blooming bulbous plants, succeeding well in almost any soil or situation. Albus, white, Coeruleus, blue. Each, 3c; doz., 25c; 100, \$1.00 AZUREUS-Early, bright blue.

Each, 4c; doz., 30c; 100, \$1.50
"HEAVENLY BLUE"—New Grape Hyacinth of distinctive type and rare coloring, delightfully fragrant, extra large, fine as a cut flower or for massing in border. Each, 4c; doz., 30c; 100, \$1.50

Muscari Plumosus

FEATHERED HYACINTHS-An odd and interesting variety bearing spikes of beautiful purple flowers; hardy everywhere. Each, 3c; doz., 25c; 100, \$1.35

Chionodoxa

They produce flower spikes bearing lovely Scilla-like flowers. They are perfectly hardy, and may be planted as an edging to a bed, or in masses; they flower with the Snowdrops and last a long time in perfection.

LUCILLIAE-Bright blue with large, clear white Each, 3c; doz., 25c; 100, \$1.50 center.



Japanese Iris (Iris Kaempferi)

to perfection.

Japan Iris is the largest and most wonderful of the Iris family, no flower of any kind surpassing its rare beauty of form, brilliance and variety of coloring, ranging from snow white through maroon, violet and deep blue; striped, variegated, veined and blended in the greatest profusion, producing effects that are truly marvelous and indescribable. Blossoms early summer. Japan Iris succeeds best in moist location, but will thrive in any good garden soil. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant, using stable manure, but do not apply after growth starts. There are hundreds of varieties, from which we have selected the following:

Single Varieties

YOMO-ZAKURA.—Light ground, densely veined and suffused purple.

O-YO-DO.—Dark violet.

Japanese Iris

ISO-NO-NAMI.—Silvery white, veined violet. SHINOGO.—White.

YJINO.—Reddish purple, mottled and veined white.

NAMED VARIETIES.

Each, 20c; doz., \$2.00; 100, \$15.00

Double Varieties

HANA-AOI.—Bright violet blue shaded white to center.

OSHO-KUN .- Navy blue, purple center, late. WAKA-MURA-SAKI.—Crimson, purple, shadings and blotches in center.

SENJO-NO-HORA.-Mottled and veined, red, purple and white.

UMOMA-NO-SORA.—White, with a strongly marked sky-blue zone and mottled in the same

YEZO-NISHIKI.—Deep rich crimson, mottled and blotched white, 3 standards same color. KUMA-FUNJIN.—Purple overlaid with navy

blue, 2 standards, very large orange blotches.

KUMO-NO-OBI.—Dark lavender purple, large handsome flower, 3 petals.

MIXED, GOOD ASSORTMENT.

Each, 15c; doz., \$1.50; 100, \$11.00

English Iris

English Iris is very hardy; has a wide range of colors; and is very useful in extending the blooming season as they follow the Spanish Iris, which they somewhat resemble, and are passing when the Japanese begin blooming. Plant 3 to 4 inches apart, in any good soil.

BLEU CELESTE—Pale blue.

EMPEROR—Violet.

GRAND VAINQUEUR—Purple, flaked red.

Spanish Iris

lar belief, do not require more water than other plants, although a moist situation is preferred, but any good garden soil will grow them

If planted in light soil, depress the beds a little below the surroundings.

This helps to collect and hold the moisture. Plant Fall or early Spring.

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success, grows to perfection in any good garden soil. They are vigorous and hardy, early and free-blooming, keeping well when cut; can also be forced easily, being great favorites with florists.

Spanish Irls comes in the most delicate and beautiful shades and colors from white through dainty blues to lavender, dark blue, pure rich yellow, etc. Bulbs are inexpensive and we urge you to plant freely.

Blooms in early June two weeks before the English variety. The varieties listed are best of their colors.

BLANCHE FLEUR-A grand white flower of great substance. The best white for forcing or outdoor culture.

BRITISH QUEEN - Pure white magnificent flower of large size.

BRONZE QUEEN-The finest terra cotta. Distinct shade. Very beautiful. **CAJANUS**—A magnificent tall golden yellow,

free-blooming, good keeper; best yellow Iris in cultivation, either to force or to grow outside.

DARIUS—A pleasing light blue—earliest of all. EXCELSIOR—Light blue. Latest blooming of Spanish Iris varieties.

HERCULES—Beautiful dark bronze flowers of splendid form. A pleasing addition to Iris collections.

COUNT OF NASSAU-The finest dark blue Iris. Has an agreeable honeysuckle perfume.

KLONDYKE-Rich deep yellow; very early and extra fine.

LOUISE—A beautiful shade of light blue, large, splendid flower.

SULPHUR BEAUTY—A splendid new light yellow of great merit.

FINEST NAMED VARIETIES.

Each, 3c; doz., 25c; 100, \$1.50

MIXED, SELECT, ALL COLORS.

Each, 3c; doz.; 20c; 100, \$1.00

MISS BARKLEY-White, flaked crimson-violet. MONT BLANC—Pure, snowy-white; a beautiful variety

PRINCE OF WALES—Dark Blue. Each 6c; doz., 60c; 100, \$4.00.

Iris Siberica

A dainty and beautiful free blooming Iris with long graceful stems-flowers are a lovely shade of dark blue-fine for cut flowers or garden decoration.

Clumps, Each, 25c; doz., \$2.00; Postpald

German Iris

German Iris is one of the best of the early Spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce maganificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in blues, browns, yellows, purples, white.

CELESTE.—Satiny blue. FLORENTINE ALBA.—White.

PALLIDA DALMATICA.—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

MADAME CHERAU.—Large white, dainty frilled blue edge.

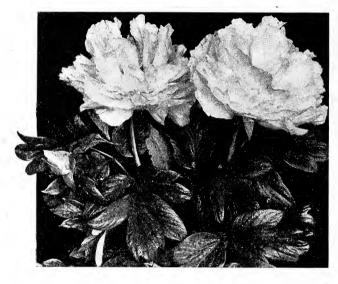
MAORI KING .- Rich deep yellow.

SPECTABILIS.—Violet purple.

SHAKESPEARE.—Bronze violet.

MARS .- Light yellow and cream.

Prices: CHOICE ROOTS Each, 15c; doz., \$1.50: 100, \$10.00



Paeonies

Double Herbaceous

HE development and increase THE development and including in popularity of the Paeony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn.

Hardy Phlox

One of the most beautiful and satisfactory perennials. We offer a superb collection.

SEE PAGE 26

FESTIVA MAXIMA. - This superb variety is easily the most popular and valuable Paeony. Its flowers, of rare beauty and great size, are perfectly double, pure white tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation: strong roots.

Each 75c; large specimen plants,\$2.00

DELICATISSIMA.—Light rosy apricot, sometimes margined carmine red. Each, 40c

COURONNE D'OR .- A superb white flower of immense size, reflects yellow, center petals bordered carmine, a perfect flower of great beauty, very fragrant, free blooming and vigorous: late. Each. 75c

MAD. BREON .- A beautiful variety with good growing qualities; flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. Each, 60c

DELACHEL-Large, full flower of a deep rich crimson, purplish tone; a free blooming thrifty grower, very fragrant; medium to late.

Each, 35c OFFICINALIS RUBRA.-Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. Each, 30c

OFFICINALIS ALBA.—Blooms with Officinalis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. Each, 30c OFFICINALIS ROSEA .- Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra. These splendid early bloomers produce fine flowers for Decoration Day.

Each, 30c

MAD. DE VERNEVILLE.—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated; an exceptionally fine full flower, with the sweet fragrance of the rose. One of the earliest.

Each, 50c

POTTSI-ROSEA.—Rich deep rose, lighter center. Each, 40c

FRAGRANS.—Late; color deep rose; fragrant and a very prolific bloomer; tall grower. Each, 40c

QUEENS PERFECTION.—One of the finest of the creamy flesh whites, large, full and attractive.

Each, 40c

Paeony Moutan

(Tree Paeony)

Grows about four feet high, forming a small treeshaped shrub. When this plant becomes well blooms it presents a magnificent display. We have Crimson, Pink, Scarlet, Rose and Varlegated.

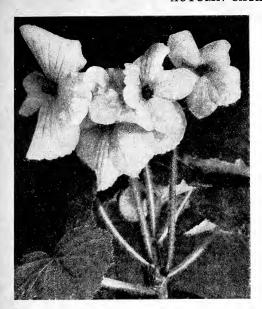
STRONG IMPORTED ROOTS, from January to May, by express at buyer's expense (too heavy Each, 75c to mail).

Montbretias

One of the most popular and satisfactory of our summer flowering bulbs. Their brilliant coloring in shades of orange, vermilion, red, gold and bright yellow, produce charming and attractive effects. Very useful and lasting when cut. Plant in the spring 3 to 6 inches apart. In severe climates protect in winter.

MONTBRETIAS—Assorted. Choice named varieties.

3 for 10c; doz., 35c; 100, \$2.25



Single Tuberous Begonia

BEGONIAS-Tuberous Rooted

FROM their early first blooming until cut down by frost, Tuberous Begonias display a mass of most gorgeous and brilliant coloring. They are distinct and unique, in wonderful shades of yellow bronze, white, reds, pinks, with thick waxy petals and grand ornamental foliage, never failing to excite the wonder and admiration of all who see them.

CULTURE.—The soil should be rich in leaf mould, or well-rotted manure, a little sand being beneficial. Start the bulbs inside in the early Spring, and transplant when danger of frost is past. They should be lifted in the fall before frost, dried and stored in sand in a cool place.

Place between layers of damp moss, not too wet, temperature about 70 degrees. This starts both top and roots; then pot for root development before planting outside.

Single Flowering

These are of immense size, free blooming and very lasting. Each, 10c; doz., 85c; 100, \$6.00

Double Flowering

Often as full and beautiful as a rose, some of the white varieties resembling giant carnations. Price, separate colors: Each, 15c; doz., \$1.50; 100, \$10.00

Frilled

Single frilled, having heavy frill or fringe on edges of the petals. Each, 20c; doz., \$2.00; 100, \$15.00 OUR DIAMOND MIXTURE, containing all of above sorts. Per doz., \$1.50; 100, \$10.00

Water Lilies

THESE beautiful and interesting plants can be easily grown in tubs made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old, well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water.

Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

NYMPHAE — Hardy white. Single roots, 35c, postpaid; large roots, 75c to \$1.50, prepaid

Parrots Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the surface. A beautiful thrifty growing, hardy plant. Try it.

Good roots, each, 25c; doz., \$2 50





Mastodon Pansies

"Mastodon Pansies" in Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom—none finer in the world. Put up one dozen in a basket.

Price, 60c to \$1.00 per basket by express, buyer to pay charges. They will surprise and delight you.

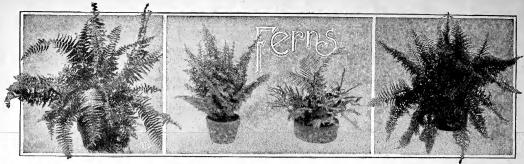
Giant Pansies

NEW GIANT PANSIES.—Our Giant Plants are in a class of their own and can not be compared to any other Giant Pansies, no matter where grown. We know they are unsurpassed in this or any other country. A trial basket will convince you. They are the best value ever offered in a bedding plant.

Each, 5c; doz., 50c; by mail, 75c doz.

MASTODON PANSY SEED
We offer a limited amount of this hand selected seed, DIAMOND MIXED

Per pkt., 25 cents Large Trade pkt., \$1.00



E offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. plants are in fine growing condition, and well rooted. Florists wishing stock of the new varieties write for prices.

Nephrolepis or Boston Ferns

Price small plants, 25c; from 4 in. pots, 60c; 5 in. \$1.25, postpald. Specimen plants, \$1.50 to \$3.00 F. O. B. Portland.

N. AMERPOHLII.-This charming "Lace Fern" is so finely "crested" as to have a fluffy lace-like appearance, and is the most beautiful and attractive "sport" from the Boston Fern.

BOSTON FERN.—This is the original and well known type of "Sword Fern.

OSTRICH PLUME FERN. — (Nephrolepis Whitmani).—One of the most wonderful and beautiful introductions of the present age; this new sort is a sport from the well known Boston Fern.

N. 'ROOSEVELT .- Resembles Boston Fern, produces many more fronds, making a bushier and handsomer plant.

SCOTT FERN. - (Nephrolepis Scottii) - Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth.

TEDDY JUNIOR .- The new Dwarf Fern. A sport from the famous Roosevelt Fern. Ts very compact in form, a vigorous and rapid grower, producing about four times as many fronds as any other fern ever introduced.

New and Popular Ferns

ASPARAGUS PLUMOSUS .- (Climbing Lace Fern). A finer and more delicate plant than the Sprengerii, but hardy and easily grown; the fronds retain their freshness for weeks when cut; fine for floral decorations.

Nice plants, each, 15c; large plants, 25c to 50c

ASPARAGUS SPRENGERII. — (Emerald Feather) Handsome and valuable evergreen trailing plant for the house or conservatory; its beautiful sprays of lovely green, feathery foliage can be cut freely. Nice plants, each, 15c; large plants, 35c to 50c

MAIDEN HAIR .- (Adiantum Croweanum). This is the hardy Maiden Hair Fern so valuable to florists for cutting, grows freely under almost any condition inside; it is a sure grower. Good plants from 4-inch pots, \$1.00 postpaid

FOR FERN DISHES.—Attractive assortments, sufficient for 5 to 6-inch pans. 75c to \$1.00, postpald

ROCHFORDIANUM.—Foliage of a rich deep glossy green color; the leaflets besides being wavy, are also deeply cut or toothed; valuable for a dish fern and for decorative work. Prices: Small plants, 25c; from 4-inch pots, 60c, postpald.

Japanese Fern Balls

DIRECTIONS FOR STARTING .- Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. Price of Balls in dormant state, large size, each, 75c; small, 50c.

SPECIAL Six Fine Table Ferns for \$1.00 Price 20c each; 6 sorts for \$1.00. Extra large plants, 40c each, postpald.

ADIANTUM CUNEATUM.-Maiden Hair Fern. A very beautiful and graceful fern.

ASPIDIUM TAUSSIMENSE.—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

BOSTON FERN .- See description above.

CYRTOMIUM FALCATUM---(The Holly leaved fern). One of the most desirable; with hardy, dark green foliage.

PTERIS CRETICA ALBO-LINEATA.—A pretty and useful variegated variety, distinctly showing the clear white variegation.

OSTRICH PLUME.—See description above.

HARDY FERNS—For Shady Borders and Rock Work

PRICES: Nice plants, 25c and 50c each. Trial Collection, \$1.50, postpaid.

EVERGREEN WOODFERN .- (Dryopteris Marginalis)-Marginal shield fern; most valuable of the hardy evergreen ferns for garden.

QUEEN OF LADY FERNS .- (Asplenium Victoriae)--A vigorous rapid grower: one of the best of the "Lady Ferns." The arrangement of the leaves forming rows of crosses the full length of the fronds. A rapid grower making a good showing the first year.

NATIVE OREGON SWORD FERN.-Makes imposing specimens in borders or in tubs. Prefers partial shade.

HARTS TONGUE.—(Scolopendrium Vulgare)— Easy of cultivation: very distinct and attractive.

FIVE FINGERED LADY FERN.—(Adiantum Pedatum)-Most graceful and beautiful hardy maiden hair fern.

ASPLENIUM MULTIFIDIUM.—Crested lady One of the most satisfactory and attractive of this class. The ends of the leaves being beautifully crested and like all of its class makes a fine showing the first year.

POLYSTICHUM VIVI QUARA.—A rare and wonderful fern of great beauty, the long, graceful fronds having a fine mossy coat, from which miniature ferns, exact counterparts of the parent plant, spring in great profusion and after getting well started can be removed and potted.

Send in an order for hardy ferns, our selection. We can supply many not listed and you will be more than pleased.

Winter-Blooming Pot Plants

PRIMROSES, NEW GIANT OBCONICA.—A lovely perpetual blooming primrose. The crisp green leaves spring up luxuriantly amid which appear, all season through, stout little stalks, each surmounted by a pretty cluster of lavender-pink flowers several inches across. One of the finest winter blooming house plants for a cool room. Price, 15 cents each. Larger plants, 25 and 35 cents each. Add 10c if postpaid.

PRIMOSES, CHINESE FRINGED.—These are easily grown in a cool room, delighting in a light sandy soil. The flowers are fringed, of fine size, produced in trusses well above the fresh lively green foliage which of itself is very handsome. Can be supplied in three colors, red, pink, white. Price, 15 cents each. Larger plants, 25 and 35 cents each. Add 10c if postpaid.

PERSIAN CYCLAMEN, GIANT FLOWERED.

There is probably no more ornamental flowering plant for greenhouse or parlor culture than the Cyclamen. Circular fleshy leaves of a rich metallic green variously marked with silvery stripes. The flowers appear at the approach of cool weather and continue blooming throughout the winter. Colors, red, pink and white. 25 cents each; Larger plants, 59 cents each, postpaid.

GENISTA RACEMOSA.—Shower of Gold plant. Its pendant-shaped flowers literally smother the plant during the spring months, while at other times its graceful dark green foliage makes a very ornamental subject for home decoration. One of the easiest plants to grow.

Ea. .20; Larger plants, .40; add 10c if postp'd.

Palms and Ornamental Plants

PALMS lend their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

CARE OF PALMS.—Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance—do not keep a palm too wet. If you set the pot in a jardiniere put something under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist—clear through—but not wet like mud. One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it). Dilute this with ten parts of water and apply with a cloth or brush.

PHOENIX ROEBELENII.—A new and graceful miniature "Phoenix" fully equaling in beauty the Cocos Weddeliana, hardy as the Kentia. Of vigorous, bushy growth.

Choice plants, from 4-inch pots, 60c to \$1.00

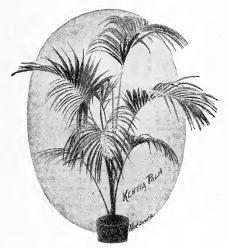
KENTIA BELMOREANA.—A beautiful, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy. Small plants, 50c to 75c. Large plants, 18 inches up, \$1.50 to \$5.00 and up.

RHAPIS HUMILIS.—Rare ornamental Palm with slender, graceful leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun. Each, \$1.50 to \$5.00 up.

COCOS WEDDELIANA.—The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm, well established in 4-inch pots, 5 to 7 leaves.

Each, \$1.00. Nice specimen plants, \$2.50 up.
LIVISTONIA CHINENSIS.—A useful Palm for decorative work, for apartments or conservatories; leaves large, fan shaped, of a rich dark green color; graceful and quick growers, 12 to 18 inches.

Each, 75c to \$1.00.



ASPIDISTRA

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves: color a beautiful dark glossy green; give same treatment as hardy palm

VARIEGATED .- Rich, creamy markings, \$1.50 up

UMBRELLA PLANT

CYPERUS.—(Alternifolia.) A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered.

Small plants, postpaid, each, 15c to 25c. Large plants, by express, each, 35c to \$1.00.

PANDANUS VEITCHII

Graceful foliage plant; broadly striped cream on green ground; one of the finest decorative house plants.

Each, \$1.00 and \$1.50

DRACAENAS

D. INDIVISA.—This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form, and stands full exposure to sun.

4-Inch pots, 35c; 5-inch pots, each, \$1.00

RUBBER PLANT

FICUS ELASTICA.—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment.

Large plants, each, \$1.00 to \$1.50 up



GLADIOLI

E ACH SEASON adds to the list of magnificent, new and improved Gladioli, and the great beauty and attractiveness of the flower. Their exquisite coloring, vigor, ease of cultivation and freedom from insect pests and diseases are making them universal favorites that should have a place in every garden. They grow to perfection in any good garden soil, requiring little moisture, and come into bloom at a season when there are few other flowers. Once planted, they can be increased rapidly.

CULTURE.—Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when bulbs first show. Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days,

and the coloring is richer, and more delicate, than if left to open on the plant.

10 Beautiful New Gladioli

SPECIAL (for trial).—Entire Collection, 10 Bulbs, \$1.35, postpaid.

EUROPA.—Snow white without a trace of color or shading, the most sensational flower of its class ever produced. Special awards at every European show where exhibited. A grand flower of great beauty and subgtance Each. 20c: doz., \$2.00

GOLDEN KING .- Bright sulphur yellow with an intense crimson patch on the lower petal. One of the very best yellows. Each. 20c: doz., \$2.00

HALLEY.-Salmon pink with creamy white blotch. Large flower and early bloomer.

Each, 10c; doz., \$1.00

ELECTRA.—Dazzling shade of vermilion—Flowers very large. Each, 20c; doz., \$2.00

MRS. FRANK PENDLETON.—A clear brilliant salmon pink with bright blood-red blotch in throat, on lower petal. A truly superb flower of largest size, opens freely and keeps well and is considered one of the most valuable and beautiful new Gladiolus. Highest awards at the Boston and Baltimore shows Each, 20c; doz., \$2.00

NIAGARA.—The color is a lovely deep cream, shading to a canary yellow on the two lower inside petals. The giant flowers, carried on a large, erect spike, open freely and contrast beautifully with the broad, dark green foliage. "Niagara" won certificates of merit from the Massachusetts Horticultural Society, Boston, and the Dutch Bulb Society of Haarlem, Holland; and open class award of the American Gladiolus

Each, 15c; doz., \$1.50 willie wigman.—A superb new variety, creamy white with red throat, large perfect flowers of the most pleasing type.

Each, 15c; doz., \$1.25

PINK PERFECTION.—A magnificent clear soft pink of great beauty. The large graceful flowers open freely, 6 to 8 showing at one time on long strong spikes. A single spike is a boquet in The most wonderful pink ever intro-Each, 20c: doz., \$2.00 itself.

PANAMA. - A new seedling of America, identical except in color, which is much deeper pink than America. Spike long and the large flowers are well arranged and bloom out freely. A prizewinner everywhere exhibited.

Each, 15c; doz., \$1.25

WAR .- A deep rich, velvety crimson self color; large shapely flowers. Many consider " War' the most striking Gladiolus ever produced. Each, 20c; doz., \$2.00

12 Select Named Gladioli, 90c, Postpaid

This splendid assortment contains many choicest new varietes, best of their class and color.

AMERICA.-Exquisite shade of flesh pink-tinted lavender. A grand giant flower, hardy and free Each, 6c; doz., 60c; 100, \$3.00 blooming.

ATTRACTION.—Deep crimson, white center. Each, 7c; doz., 75c GLORY OF HOLLAND.--White with inner throat slightly marked red. Tall, graceful, free flowering—sometimes tinged delicate pink.

Each, 10c; doz., \$1.00 CANARY BIRD .- A pleasing bright yellow. Each, 10c; doz., \$1.00

"GLORY."-Color a delicate cream pink tint with an attractive crimson stripe in the center of each lower petal. Flowers large, paired and faced the same way, borne on strong stalks, 3 1/2 feet high. From 4 to 8 flowers open at the same time, petals are exquisitely ruffled and fluted, giving the flower a refined, graceful appearance.

Each, 10c; doz., \$1.00 BARON HULOT .- The only true blue Gladioli; a dark indigo shade; very popular.

Each, 10c; doz., \$1.00

Select Named Gladioli-Continued

INDEPENDENCE.—Pleasing light scarlet flowers on long, straight spikes. Each, 8c; doz., 75c

maroon KLONDYKE.-Light yellow, crimson Each, 6c; doz., 60c blotch.

MRS. FRANCES KING.—A pleasing light scarlet fine for forcing Each, 6c; doz., 60c; 100, \$3.00 PEACE.-Large flowers of good form. Almost

pure white; very strong grower.

Each, 15c; doz., \$1.50

PRINCEPS .- Giant flowers of richest, most brilliant crimson, with fine white blotch on lower petal; the most striking and beautiful of the newer Gladioli; a great favorite with florists.

Each, 10c; doz., \$1.00

TACONIC.—Bright pink marked with deep crimson and thin stripe of pale yellow. Strong grower. Each, 10c; doz., \$1.00

Mixed Gladioli

DIAMOND MIXTURE.—Select named varieties with choicest Childsi Hybrids.

Each, 8c; doz., 75c; 100, \$5.00

GLADIOLI CHILDSI .- Of grand size and color, very showy, containing a large per cent of red and dark shades. Each, 6c; doz., 60c; 100, \$4.00

GLADIOLI, FINE MIXED .- This mixture will produce a large variety of fine flowers unequalled for the price. Each, 4c; doz., 35c; 100, \$2.50

GLADIOLI, GROFF'S HYBRIDS.—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.

Each, 5c; doz., 50c; 100, \$4.00

GLADIOLI LEMOINEI .- Mostly light shades, odd and fantastic markings. Brilliant and showy.

Each, 5c; doz., 50c; 100, \$3.00

CANNAS

WE are extensive growers of Cannas, and the following sorts are newer and better types that will give best results in our climate. Cannas require a rich, moist soil and should not be planted until all danger of frost is past. They are quick growers and the new flowering sorts bloom continuously until frost. Inexpensive, these charming ornamental plants produce rich tropical effects that cannot be excelled, and the grand new varieties offered are equally valuable for the beauty of their bloom. Let us know your requirements. We can supply the correct variety.

Prices, except where noted: Buibs or plants in season, each, 20c; dozen, \$2.00, postpaid.

ALICE ROOSEVELT .- Deep crimson, compact green foliage; similar and superior to Alphonse Bouvier. Height 4 to 5 feet.

CARL LUTZ .- New. A splendid bright rich yellow of finest form; foliage leathery and luxuriant. A fine upright grower and profuse bloomer. Height, 3 1/2 feet.

DR. NANSEN.-Dwarf yellow Canna with green foliage. Used extensively for bordering larger beds, its height being about two and one-half

FEURMEER.—A magnificent clear bright red. flowers and spikes of large size and freely produced; foliage deep green. Height, about 5 feet. One of the very finest reds.

FIREBIRD .- New. Considered the best redflowered, green-leaved Canna. Flowers are flery, bright red, borne in immense trusses. Very effective when planted in large beds, tubs or single specimens. Height 4ft. Each, 75c; doz., \$8.00

FLORENCE VAUGHAN.—We offer a new seedling of this most famous canna that is a distinct improvement in growth, vigor and bloom; the color and markings are about the same only more brilliant and beautiful; a deep, bright yellow mottled and marked with bright red. Green foliage. Height, 4 to 5 feet.

GUSTAV GUMPPER.-A rich, clear golden yellow-best of its color-of splendid form and habit—the large flowers are freely borne and are well above the foliage. Height. 3 to 4 feet.

HUNGARIA.—A beautiful soft rose pink—flowers in large trusses, early, freely, continuously—one of the most refined and attractive cannas ever introduced. Height, 3½ feet.

KING HUMBERT .- The mammoth flowers, in heavy trusses, are a brilliant orange-scarlet, with bright red markings, foliage is broad and massive and of a rich coppery bronze with brownish green markings; 5 to 6 feet.

LOUISIANA. - Foliage luxuriant, green-edged bronze. Flowers brilliant scarlet. One of the grandest, most attractive and satisfactory of the Giant Orchid flowering Cannas. Height, 6 to 7 ft. METEOR.—Considered one of the best reds, being a deep dazzling crimson. Exceptionally free bloomer. Green foliage. Five feet.

MRS. ALFRED F. CONARD.-Flowers are a superb salmon pink of large size borne very freely and continuously on large, erect spikes; very luxuriant green foliage; height about 4 feet.

MT. BLANC.—A compact vigorous grower, producing a massive spike of large, pure white flowers carried well above the glossy green foliage.

OLYMPIC.—A new color effect in Cannas, being a rich oriental red with center flamed a lighter shade and dappled carmine. The individual flowers are of largest size and produced in immense clusters. Height 5 feet.

PORTLAND. - New. - A magnificent "Testout" pink with salmon suffusion. The luxuriant green foliage and profusion of large shapely flowers together with its vigor and hardiness make "Portland" the most attractive and useful Canna for the Northwest. Portland is a cross between Mrs. Alfred Conard and Venus and was named in honor of our City by the originator.

Each, 25c; Doz., \$2.50

STUTTGARTIA.—The large flowers are brilliant orange-scarlet with bright yellow band and markings. Flower spikes strong and erect above the foliage which is broad leaved, dark green and very luxuriant. Height 4 to 5 feet.

WABASH .- Sometimes called the "Bronze leaved Rosea Gigantea." The immense carmine-pink flowers combined with the deep purple-brown foliage makes this an especially attractive variety. Height 4 feet.

WINTZER'S COLOSSAL. — This is without doubt the largest flowering Canna, the blooms measuring 8 inches across. The flowers are an intense vivid scarlet of the orchid flowering type, retaining their brilliancy under the hot sun. Foliage green. Height 5 to 6 feet.

Each, 25c; doz., \$2.50

Perennial Border and Bedding Plants

select list of Border and Bedding plants, beautiful and useful varieties that are easily grown. Fine, large, well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects, let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

Perennial Phlox

HARDY as an oak, increasing in beauty each year, few things are as beautiful and satisfactory. The marvelous new colors, beautiful foliage and easy culture, make this choice flower one of the most desirable. We offer the following fine collection, which we have grown.

Each, 15c; doz., \$1.50

R. P. STRUTHERS.—Tall, rosy carmine, with claret-red eye; fine.

MRS. JENKINS.—Tall; the best tall early white for massing.

VESUVIUS.-Medium; one of the new seedlings; pure red with bright purple eye; a dazzling color.

SUNSHINE .- Dwarf; large, aniline-red with crimson-red eve and light halo.

GEO. A. STROHLEIN.-Medium bright scarlet with crimson red eye; does not bleach.

MME. PAUL DUTRIE.—Tall; a delicate lilac rose. reminding one of the beautiful soft pink Orchids.

ANTONIN MERCIE.-Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

SELMA .- Tall: large flower; pale rose mauve with claret eve.

VON LASSBURG .- Medium; the purest white in cultivation; individual flowers larger than any other white.

COOUELICOT .- Fine flowering, scarlet, with crimson eye.

DIADEM.—Large flowering, pure white — dwarf. **HUXLY.**—Medium; a beautiful lavender.

EUROPA. - Medium; very large florets in im-

mense trusses. Color pure white with distinct crimson eve.

ATHIS .- Tall magnificent salmon pink, free and continuous bloomer:



GOLIATH .- Truly a giant in growth; color. bright crimson carmine, deeper eye.

PHLOX DIVARICATA CANADENSIS.—Blooms early April, has large, beautiful lavender flowers; grows 10 inches high.

PHLOX SUBULATA—(Moss or Mt. Pink).-Early spring flowering, the foliage being covered with bloom; useful for carpet bedding, cemetery planting or rockeries.

Larkspur—Delphiniums

HARDY LARKSPUR.—One of the most beautiful and useful border plants; is a great favorite in the English gardens and their famous specialists have produced magnificent new varieties of rare beauty of form and exquisite coloring; vigorous, free-blooming and hardy. The following named varieties are among the best-and the hybrids are the selection of a famous specialist.

KING OF DELPHINIUMS.—Giant semi-double flowers, deep blue with white eye; a vigorous free bloomer.

DUKE OF CONNAUGHT.-Large flower of bright velvety-blue with inner petals of rosylavender. The eye is nearly black which brings out the distinctiveness of this variety.

HANS DEKKING .- Very free flowering sort having flowers of a brilliant cornflower blue. One that should be in every collection.

DELPHINIUM FORMOSUM .- Dark blue with white center

QUEEN ALEXANDRA. - Sky-blue, white eye, single, very effective and beautiful; 41/2 ft.

MASTERPIECE.—Lovely deep gentian-blue and Reflexed flowers of immense size. beautiful and quite distinct. Tall.

TRUE BLUE.—Intense deep blue with black eye. Single flowered tall sort. One of the very finest.

BELLADONNA GRANDIFLORA.—Clear, delicate turquoise, dainty and beautiful; a strong grower, always in flower.

PERFECTION. — Sky-blue petals suffused with rosy-lilac. Semi-double. Branching habit. One of the very finest and most beautiful Delphiniums we have ever grown.

PRIMROSE. - White sepals, yellow eye, single flowered.

PRICES NAMED VARIETIES -- Fine Large 2-year Clumps. Each, 25c; per dozen, \$2.50. MIXED--Each, 20c; per dozen, \$2.00.

Popular Annual Bedding Plants

During the months of April and May we have thousands of the following bedding plants, price per dozen by express at buyer's expense:

Alyssum\$0.3	English Daisies\$0.50	Lobelia \$0.30	Phlox \$0.30
Asters	Forget-Me-Not 1.00	Marigold	Salvia
Carnations	Geraniums, 75c to 2.00	Mignonette	Stocks30
Cosmos	Heliotrope50	Petunia	Verbena

Hardy Perennial Garden Plants-Continued

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c, are \$1.50 doz.; 20c, \$2.00 doz.; 25c, \$2.50 doz., F. O. B. Portland.

ALYSSUM SAXATILE COMPACTUM.—Bright yellow corymbs; showy Spring flowering plant which also flowers in Autumn. Each, 20c

ANEMONE JAPONICA.—Beautiful Fall blooming plants Pink or white. Each, 20c: 2 sorts, 35c

ANCHUSIA ITALICA.—Tall growing hardy plant, with pretty blue flowers in large racemes. Each, 20c

ANTIRRHINUM.—(Snap Dragon.) Pink, Red, White, Orange, Bronze and Yellow. Tall and dwarf.

Clumps, Each, 15c; Small Plants, 50c doz.

AQUILEGIA HYBRIDA.—(Columbine). An old favorite for Spring and early Summer. Blue, violet, pink. Fine

for cut flowers. Each, 15c

ARABIS ALPINA.—(Rock Cress). Low growing, fine for borders. Covered in spring with white blossoms.

ARTICHOKE.—Ornamental garden plant, bearing edible

buds that develop into giant thistle-like blooms.

Each, 15c; doz., \$1.50

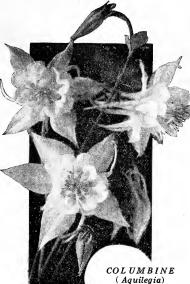
RIFTIA HYACINTHIA HARV ground orchid for

BLETIA HYACINTHIA. — Hardy ground orchid for outside planting. The dainty flowers are of a delicate lavender or true orchid shade. Keep well and are very beautiful. **Each, 30c; doz., \$3.00**

CANTERBURY BELLS.—Pink, white, blue, large clumps. Each, 20c; doz., \$2.00

campanula.—New Double White.—A dainty and beautiful flower, 2 to 2 ½ feet high, bearing spikes of large snow white, prettily formed, fully double blossoms. Pinch off the old flowers and the plant will bloom continuously. One of the best border or bedding plants ever offered.

Each, 25c



corrections (Golden Sunbeams.) Beautiful golden-yellow flowers on long stems; always in bloom; fine for cutting. Each, 15c

DORONICUM.—Early Spring flowering Marguerite-like yellow flowers. Fine border plant.

Each, 20c

ENGLISH PRIMROSE.—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant.

Each, 20c

FOX GLOVE.—(Digitalis). Tall Gloxinia Flowered. Pink, White and Blue. Each, 15c; doz., \$1.50

GAILLARDIA GRANDIFLORA:—Splendid large flowers; combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; fine for cut flowers; hardy everywhere. Each, 20c

GEUM.—(Attrocinium.) A splendid bed or border plant—erect habit—18 to 24 inches—bearing freely, dainty little double red flowers. Each, 20c

GYPSOPHILA PANICULATA.—Single and double: thrives during driest weather; elegant rock plants and very useful for cut flowers. Each, 20c

HARDY ASTERS.—Among the showiest of late flowering plants, blooming when most other flowers are past. The colors are dainty blues, shades of red and pink, and white. They are very decorative and lasting.

Each, 15c

PLUMBAGO LAIPENTEA.—Fine edging plant, growing four inches high and covered all Summer with sky blue flowers. Each, 15c; doz., \$1.50

HELIANTHUS SPARSIFOLIA.—Superb new single sunflower of striking beauty; blooms late in the season. A real gem among hardy plants. We especially urge you to give this a trial. Each, 20c

HEUCHERA SANGUINEA. — Dainty alpine plant. Extremely hardy and easy to grow. Requires the shade of a rockery or fernery. The bell-shaped coral red flowers are similar in form to Lily of the Valley, borne on long wiry stems about 18 inches.

Each, 25c

HOLLYHOCKS.—Hollyhocks require good soil, prepared by deep digging and working in well rotted manure; water during dry weather.

New Double and Single.—Red, yellow, pink, and white. Each, 15c; 4 for 50c; large clumps, each, 25c; doz., \$2.50.

MULTILIJA POPPY.—(Romneya Coulterii). A native California plant, perfectly hardy on the Pacific Coast but needs some protection in severe climates. The immense flowers are snowy white with golden yellow stamens and often measure 6 to 7 inches across. It is of rapid growth and thrives best when planted in a well drained sunny sheltered position. Price, each, 50c to \$1.00

MARGUERITE MRS. F. SANDERS—(Annual). Valuable for conservatory or window garden in late winter or spring; excellent bedding plant during summer months; color, pure glistening white, the full fluffy flowers frequently measuring 5 inches across.

Each, 15c; doz., \$1.50

CALOCHORTI

MARIPOSA, or BUTTERFLY TULIPS.—Beautiful cup-shaped flowers which are truly marvelous in their rich coloring and varied markings. They have a wide range of color with strongly marked eye and are beautifully colored at the base; seldom two are found to be alike. The plants are vigorous, growing to a height of from 1 to 2 ft. Prefer shade and a very porous soil.

While hardy they should be lifted each Fall for transplanting. Eldorado Strain, selected colors, Price, each, 6c; doz., 60c, postpaid

STAR TULIPS or CAT'S EARS.—Native California wild flowers, fine for naturalizing in rock work and woodland corners. We offer three colors—yellow, lilac and white.

Price, each, 3c; doz., 30c, postpaid



HARDY PERENNIAL GARDEN PLANTS—Continued

Plants marked 15c are \$1.50 doz.; 20c, \$2.00 doz.; 25c, \$2.50 doz., F. O. B. Portland.

RUDBECKIA.—Golden Glow.—Bears in greatest profusion immense double blooms, large as Dahlias, of the brightest, golden yellow; hardy everywhere.

Each, 15c

RUDBECKIA NEWMANI.—(Black-eyed Susan). Golden yellow ray petals around a dark center. Fine cut flowers. Each, 15c

SALVIA PATENS.—A beautiful plant of the purest blue, blooming from June to October. Is not quite hardy and needs some protection.

One and one-half to two and one-half feet.

Each. 25c

One and one-half to two and one-half feet.

SHASTA DAISY.—(Alaska). This new "Shasta" is covered with immense, fluffy white blooms, with golden eyes, from July until late Fall; long stems; fine for cutting; one of our best hardy border plants.

SWEET WILLIAM.—Old favorites for beds and borders. Brilliant and pleasing colors. Each, 15c

VERONICA REPENS.—(Creeping Speedweil).—Slender compact plant with blue flowers. Thrives in the sun where grass will not grow, covering the ground in a short time. Fine for rock work.

VERONICA PROSTRATA.—Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. Each, 15c WALLFLOWER.—(Dark and Light; single and double; mixed), good subjects for rock garden and spring bedding. Each, 20c

Sweet Violets

Single Price each, 15c; 8 sorts, \$1.00, Postpaid. Double

BARONESS ROTHSCHILD.—Similar in color and form to Princess of Wales, but blooms more freely; single.

CALIFORNIA.—Very showy and beautiful flowers of enormous size, deep violet blue; deliciously fragrant; single.

WHITE CZAR.—Single white, very free flowering, popular with florists.

PRINCESS OF WALES.—Flowers single, of gigantic size; color a very rich shade of blue, and extremely fragrant. ALASKA.—A grand sort, well adapted to garden culture, enormous double flowers of a deep blueblack color and powerful fragrance.

LADY HUME CAMPBELL.—Large double flow-

Each, 15c

LADY HUME CAMPBELL.—Large double flowers of a beautiful light blue color; very free-blooming and exquisitely fragrant.

MARIE LOUISE.—A constant bloomer, producing great quantities of large, double flowers, lovely deep violet purple.

SWANLEY WHITE.—The finest and best double

SWANLEY WHITE.—The finest and best double white violet in cultivation.

Oriental Poppy

The most brilliant and gorgeous of all garden plants: is hardy and succeeds well in any good garden soil, blooming in May and June, they are dormant thereafter until cool weather. We offer rare and beautiful new sorts, besides the standard red type and hybrids. Order by color.

PRICES; Red, Pink, White, Dark Red, Each, 20c; Doz., \$2.00

Six Beautiful Flowering Begonias Price, 10c each; set of 6 sorts, 50c, postpaid.

ALBA PICTA.—A strong growing variety, with pointed dark green leaves; profusely covered with pure white spots. Pretty white flowers.

ARGENTEA GUTTATA.—Handsome erect growing sort, with pointed wine-colored leaves with silvery white spots; clusters of pure white flowers on the tips of the stems.

FOLIOSA.—The freest-flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright pink flowers.

MARGUERITE.—Bronzy green, with purple cast; large trusses of cream and rose-colored flowers.

MARJORIE DAW.—Strong growing sort with glossy green leaves, producing large panicles of bright salmon pink flowers drooping gracefully about the plant.

PRESIDENT CARNOT.—Strong, upright growing, with very large leaves bright green above, purplish pink beneath. Large pendant clusters of coral red blooms.

Rex Begonia

Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants; also useful in baskets and vases. We offer twenty of the most distinct and handsomely marked varieties.

Price, choice plants, each 25c



Rex Begonia

New Heliotropes

Price, 15c each; set of 4, 50c, postpaid.

ALBATROSS .- Elegant dwarf, bushy growing new variety of great merit; large panicles of pure white flowers in great profusion all season;

the best white variety to date. **HEAVENLY BLUE.**—Large, close panicles of exquiste light blue flowers, with a white eye. Grows vigorously and flowers abundantly; very fine for bedding, for which purpose we offer it at \$1.00 per dozen.

LAVENDER QUEEN .- Enormous florets, very large trusses of bloom; color, a beautiful shade of lavender, suffused with rosy mauve. A dwarf, robust grower and a free and continuous bloomer.

ROYAL PURPLE.—Very large and fragrant; color deep violet purple, with white eye; very florif-erous and cannot be too highly recommended for bedding, for which purpose we offer it at \$1.00 per dozen.

Free Blooming Fuchsias Price, 10c each; set of 6 sorts, 50c.

ANNA EARLE.—Tube and sepals waxy white; corolla single, clear carmine; plants splendid and free blooming.

LITTLE BEAUTY.—Dwarf growing, producing in greatest profusion lovely shaped single flowers. Corola dark blue, sepals crimson.

MOLESWORTH .- Fine, large and elegant form, sepals long and reflexed, pure red; corolla large double white.

JUPITER.—This is a grand mammoth double flowered Fuchsia; flowers of enormous size, very large, rich purple violet corolla; tube and sepals bright crimson.

SNOWSTORM.—The freest flowering double white variety.

SPECIOSA.—Long tube and sepals of blush white, bright carmine corola. One of the finest winterblooming sorts.

Flavoring and Medicinal Herbs-Plants

CHIVE .- Has mild onion flavor, grows in grasslike clumps; much used for flavoring.

Each, 15c; doz., \$1.50

LAVENDER .- By distillation produces the wellknown Lavender water, the flowers for perfum-Each, 25c; doz., \$2.50 ing wardrobes, etc.

ROSEMARY .- Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil.

Each, 25c; doz., \$2.50

THYME.—Broad leaved, used in soup, stuffing and sauce. Each, 25c; doz., \$2.50

SWEET MARJORAM.—The sweet aromatic leaves are used in either the green or dry state. Each, 20c; doz., \$2.00

SAGE (Glant).—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage Tea. The Giant or Mammoth Sage is a greatly improved variety, more vigorous, having much larger leaves. Each. 15c; doz., \$1.50

Miscellaneous Ornamentals

Yucca

SPANISH BAYONET OR ADAM'S NEEDLE-

Has a fine appearance; the stems grow two or three feet above the ground; covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

FILAMENTOSA-Thread leaved, creamy white; Plants, 2 feet, each, 75c to \$1.00.

Bleeding Heart

SPECTABILIS. One of the most ornamental of hardy spring flowering plants, with elegant green foliage and long, drooping racemes of heartshaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong roots..... Each, 30c, postpaid.

Pampas Grass

A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high.

Strong roots, each, 60c to 75c. Large specimen plants, \$2.00 to \$5.00.

Tritoma—(Pfitzeri)

Everblooming Flame Flower or Red Hot Poker

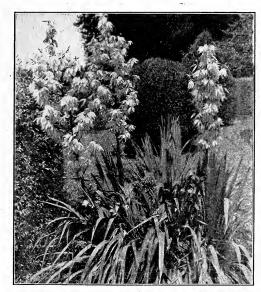
This new sort is of a rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; one of the very best of this useful class, which is hardy with slight protection, but winters best if lifted and stored in sand. These hardy perennials are unsurpassed as border plants or for mass effects.

Strong flowering roots 25c; doz., \$2.50 prepaid

St. Johns Wort

(Hypericum Moserianum)

Low growing with yellow blooms; a drought resister. July and August. Clumps, 50c.

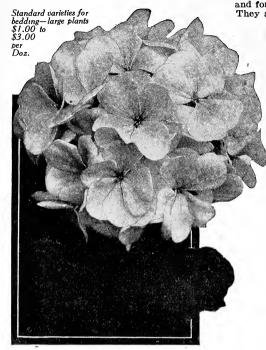


Caladium

Esculentum—(Elephant's Ear) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Plant in the spring. Height, 4 to 5 feet. Each, 25c; doz., \$2.00

GERANIUMS

ERANIUMS are undoubtedly the most popular bedding plant of the time. Their free rapid growth GERANIUMS are undoubtedly the most popular scaling plants and continuous blooming qualities keep them in the front rank among the long list of bedding plants. Beds of one color or variety have been very popular of late years, being very effective in all garden efforts,



MILDRED RIVAL .- Pure rose pink, with conspicuous white blotch on two upper petals.

MRS. A. BLANC .- Light salmon, blended with darker shades; center and edge of petals pure white; extra fine.

MRS. E. G. HILL.—Very large trusses of single florets; color clear salmon, with a white center.

and for winter flowers inside nothing is more satisfactory. They are of the easiest culture, requiring to be kept cool and given plenty of air, with an occasional sprink-ling of the foliage to clean and freshen it. Keep the roots moist, not too wet, and have good drainage in the pots. No other flower can take their place as a bed or border plant, and inside they grow beautifully throughout the year, making cheery house plants.

Our list of varieties include a number of rarely beautiful novelties as well as the very best standard sorts, and prices are so low as to place them within

reach of everyone.

Twelve Fine Single Geraniums

Price, 10c each. Set of 12 sorts, \$1.00; postpaid. \$1.10.

ALBION.—Beautiful free flowering white variety as pure as driven snow. Always in bloom.

BELLEROPHON .- One of the freest blooming single scarlet bedding varieties; rich, glowing scarlet, crimson maroon shading on upper petals.

EUGENE SUE .- Odd shade of russet orange, very distinct.

HALL CAINE .- Very large round florets in numerous umbels. Light rich scarlet.

JACQUERIE.—Rich, vivid crimson, immense trusses.

MAXINE KAVOLENSKI.-Odd shade of orange red; very distinctive, splendid bedder, vigorous, handsome; a dependable sort.

METEOR.—Brilliant crimson maroon. A magnificent bedding variety.

NUIT POITEVINE.—Trusses and florets of grand size; rich, rosy violet; the upper petals feathered with scarlet at their base. Very distinct and much admired.

VICTOR GROSSETT.—Rich apricot bordered on vermilion; profuse bloomer and excellent habit. A splendid bedding sort.

Twelve Fine Double Geraniums Price, 10c each. Set of 12 sorts, \$1.00; postpaid, \$1.10.

ALPHONSE RICARD.—Immense trusses of large round flowers of the most vivid scarlet.

BEAUTE POITEVINE.—Very large, semi-double flowers of a brilliant salmon color. One of our best sorts.

CONTRASTE.—Glowing carmine, shaded darker; one of our best bedders.

FRANCIS PERKINS .- The finest pure pink variety we know of.

FRANCOIS MAGNARD. — Color rich, bright

magenta; large trusses of wide open flowers.

JEAN VIAND .- Soft rose color, shaded to white. Magnificent bedder.

MADAME LANDRY.—Distinct salmon pink Lightly shaded scarlet. Magnificent trusses.

MME. RECAMIER.—Snow white; strong, vigorous grower; flowers abundantly produced in large trusses.

MRS. LAWRENCE.—Beautiful satiny pink shaded to white; a gem among geraniums.

ORNELLA.-Intense bright scarlet. A grand bedding variety.

S. A. NUTT.—The best of the rich, dark crimson varieties; trusses massive.

SUZANNE DESPREZ.—Snow white, distinctly

bordered with pink. Very striking.

Pelargoniums—Lady Washington Geraniums

Price 20 cents each.

CRIMSON KING.—Rich crimson blotched and feathered maroon. A superb dark colored variety.

DOCTOR ANDRE.—Elegant fringed flowers of delicate light pink feathered and blotched maroon.

EASTER GREETING .- Beautiful new variety, remarkable for its free blooming proclivities, being equally as fine bedded out as it is grown as a pot plant. The flowers are of a flery amaranth red, each petal distinctly blotched maroon. A novelty of the greatest merit.

Set of 6 sorts \$1.00.

COUNTESS .- Very large flowers of distinct shade of rosy-cerise, upper petals marked with crimson.

-Immense florets of round form and great substance. Color pure rose pink, heavily blotched and feathered chocolate-maroon. One of the best varieties.

MADAME VIBERT.—Flowers bright red blotched with black and maroon and edged with pink and white.

MADAME THIBAUT.—Rosy-pink marbled with strawberry and carmine and edged pure white.



Ornamental Climbing Vines



Clematis

Clematis is one of the most beautiful and useful climbers, the several varieties adapting themselves to every requirement. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support. We offer the best of the hardy large flowering varieties.

DUCHESS OF EDINBURGH.—Double, white.

LAWSONIANA.—Light blue.

VILLE DE LYON.—Red.

RAMONA.—Beautiful lavender, best of its color.

MONTANA.-White, anemone-like flowers, May to July; very hardy, rapid grower.

HENRYI.-Fine, large, creamy white flowers; a strong grower and very hardy.

JACKMANII.—Intense violet purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.

MAD. ED. ANDRE.—A beautiful new variety; flowers red, large and abundant.

Choice plants of above sorts, each, 60c Large plants, each, 75c to \$1.00, postpaid

CLEMATIS PANICULATA. - A strong, rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; it is perfectly hardy and well adapted for covering trellises or fences.

Choice plants, each, 35c to 40c; large, 50c to 60c.

Honeysuckle

BELGIAN .- Flowers yellow, blotched with red above; blooms all summer, fragrant. Each. 50c

JAPANESE.—Evergreen; fragrant flowers, white changing to yellow. Each, 35c

HALL'S .- Evergreen, very popular; white turning to yellow. Each, 50c

Jasmine

JASMINE NUDIFLORUM.—Branches drooping, enveloped with bright yellow flowers before leaves appear.

GARDENIA FLOWERED, CAPE JASMINE.— Free-blooming, pure white flowers, star shaped; foliage delicate; evergreen. Each, 50c

Wistaria

W. SINENSIS (Chinese Wistaria) .- One of the most elegant and rapid growing of all climbing plants; grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in Autumn.

Choice plants, each, 35c to 50c; large, 75c to \$1.50.

WISTARIA CHINENSIS VARIEGATED .-Yellow variegated leaves, pretty after flowering for the beautiful speckled foliage which is very attractive among other green foliage. same as common Chinese Wistaria. Flower.

Each, 75c to \$1.50

W. MULTIJUGA. - Similar to Wistaria Sinensis except in color of flowers which are dark violet-blue, borne in very long racemes. Each, 75c to \$1.50

WISTARIA MULTIJUGA PINK. — Same as above only flowers are light pink. A very rare Each, 75c to \$1.50 sort.

W. BRACHYBOTRYS .- White flowering.

Each, 75c to \$1.50

Ampelopsis

VEITCHEI "Boston Ivy."—Leaves glossy green, coloring bronze in fall; flowers small; berries Each, 35c deep blue.

QUINQUEFOLIA "Virginia Creeper." — Com-Each, 35c mon American Ivv.

Trumpet Vine

BIGNONIA GRANDIFORA (Trumpet Vine). Strong climber; deciduous; flowers orange scarlet.

Each, 50c

BIGNONIA TWEEDIANA.—Evergreen clinging; Each, 50c flowers canary yellow.

Dutchman's Pipe

ARISTOLOCHIA SIPHO .- A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower, valuable for trellis, porch or arbor.

Strong plants. Each, 50c
KUDZU VINE.—A very rapid climber with large
heavy foliage; bearing purplish flowers in racemes; during late August.

Strong roots, 35c; doz., \$3.00 Pink Passion Vine

A rapid growing, attractive vine, flowering freely throughout the summer and fall. Plant out in April or May. Each, 50c

English Ivy

Large, thick, shining, leathery leaves; evergreen. Each, 25c

"Diamond" Fancy Lawn Mixture

Growing tests have proved our "Diamond Quality" Lawn Grass to give satisfactory and permanent results, being specially prepared for our Western soils and climate, and will produce an evergreen velvety turf; it is free from chaff and foul seeds, weighing 23 pounds to the measured bushel. This is a guarantee of clean, plump seeds, as cheap chaff seed is very light.

Price, per lb., postpaid, 45c; freight or express, not prepaid, per lb., 35c; 10 lbs., \$3.25 Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.



"DIAMOND OUALITY"

DAHLIAS

1917 Novelties will be selected later and appear in our General Catalog, as the blooming season is not advanced enough at this writing to determine their merits.

► 1917 General Catalog ready

in January.

N THE SELECTION OF DAHLIAS only those varieties of known merit should be considered. The great Dahlia Specialists of Europe and America have set a high standard, established by their years of comparative trials and you will have greater satisfaction and better values from their tested varieties which we offer, and which have been officially recognized, than you can possibly obtain from untried varieties of doubtful origin.

UR TRIALS ARE VERY EXTENSIVE and are conducted by a practical Dahlia expert of wide All tests are made in the field without irrigation and the Dahlias we list represent the experience. "survival of the fittest," the best of the standard varieties and meritorious novelties of the most famous producers, varieties that are recognized the world over. They are true to name, erect bloomers and good keepers.

IT IS IMPORTANT that your Dahlias be recognized varieties and true to name. If not, you cannot hope to exhibit them successfully.

CULTURE

DAHLIAS will grow to perfection in any good garden soil, preferably one that contains a little sand. Plant as soon as the frost is gone and the ground warm, cutting the tuber to a single strong eye, and placing it on its side at a depth of about 6 inches, in ground that has been previously well cultivated. excellent way to start Dahlias is to sprout the tubers in a green house and set out the rooted plants. These are generally believed to give more and better flowers, but is more trouble than planting the bulbs. should be four feet apart, plants 18 inches to 3 feet apart in the row, depending on whether planted for a hedge or for specimen plants. Cultivate thoroughly until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Tall varieties should be staked.

If you use commercial fertilizer, do not apply until the plant starts growth, then work it into the top soil, 5 or 6 inches from the plant. Bone meal is an excellent fertilizer for Dahlias but must be applied early, as it is slow in action. When the plant is well up, say 6 to 10 inches, pinch off the top, leaving 2 or 3 joints. This will cause it to branch out into a more sturdy, bushy growth. Water freely.

FINEST CACTUS DAHLIAS

From comparative tests in the field we have selected the following as being the best of their types and This list contains many of the newest Dahlias as well as the best of the older ones.

PRICES 15c DAHLIAS \$1.50 dozen; 20c Dahlias \$2.00 dozen; 25c Dahlias \$2.50 dozen dozen; 40c Dahlias \$4.00 dozen; 50c Dahlias \$5.00 dozen Write for Prices by the Hundred.

Red and Shades

ARISTID GURTLER.-1-Flowers of enormous size, petals curved inward, color brilliant orange scar-Each, 35c

AUGENWEIDE.-1-Translated this means "a feast for the eyes." Color is bright rose with deep rose center, grows erect on fine stems, a full shapely flower. Each, 35c

BISMARK.-1-A most intense bright red, petals slightly incurved, perfect cactus type, has fine carriage of bloom well above the foliage, is early and al ways covered with flowers. Each, 35c

DORNROSCHEN.-1-Unique and remarkable. variable from carmine to brilliant red, to delicate pinks with blush suffusions; large and free blooming; long stems, erect; compact bush.

DREADNAUGHT.-1-A giant flower, of graceful form, full, with fine claw-shaped petals; color, deep crimson maroon; a good keeper and splendid flower for exhibition. Each, 35c

ELLA.-2-A grand shade of deep rose of splendid cactus form. Long strong stems. Without a rival in the deep pink shades. Each, 35c

ERB PRINCESSEN REUSS.-3-A superb shade of blood-red crimson self, the best of its color of finest cactus form, one of the most satisfactory and pleasing reds. Each, 35c

GARIBALDI.-Color, a brilliant rich scarlet, darker toward center with back of petals shading light-Large shapely flowers with long curled and twisted petals. Very free and lasting. Each, 75c

WE CAN SUPPLY ANY VARIETY IN COMMERCE, GROWING MANY THAT WE DO NOT LIST. IF WE DO NOT have what you want, we can get it for you, true to name.

CACTUS DAHLIAS—Continued

Red and Shades—Cont'd

H. W. SILLEM.—(Cardinal King).—1-Rich
cardinal red, of perfect form, grand exhibition
variety.

Each, 25c

JOHN PEEL.-1-A deep rich crimson with lighter suffusion towards center; a distinctive form of true cactus type, a splendid keeper, with fine stems. Each, 35c

KALIF.—A giant flower, color a brilliant pure scarlet. The immense blooms are freely borne on long, strong stems and make a wonderful display. Kalif was awarded the highest honor of the German National Dahlia Society. Each, 75c

MARIE PURRIER.—I—Extra large brilliant bloodred flower of fine full form, with slender dainty incurved petals; a free bloomer of fine habit of growth, flowers erect, good keepers. Each, 50c

MATCHLESS.-3-Dark rich crimson. Each, 20c
MINNIE BIRGLE.-3-One of the most pleasing
bright, rich, red cactus dahlias ever produced;
holds its color well, has fine stems, and as a cut
flower is very popular with florists. Each, 35c

MRS. A. P. HOWARD.—3—Color flery red with satiny sheen that lends unusual attractiveness to the large graceful flower, fine stems, vigorous and free blooming.

Each, 35c

MRS. FERDINAND JEFFRIES.—7—Deep velvety garnet red, the long curved and twisted petals forming a magnificent flower of rare grace and beauty; one of the largest dahlias. Each, 50c

MRS. HENRY WIRTH.-3-Rich geranium red, very free flowering. Each 25c
MRS. SUZANNE B. HOLMES.-3-A superb dark

MRS. SUZANNE B. HOLMES.-3-A superb dark crimson-maroon of finest form and good substance. Good stems. One of the most beautiful of all dark Cactus Dahlias. Each, 35c

M. INMAN.-1-A bright orange vermillion of largest size and finest cactus form; long, narrow petals, an exhibition variety. Each, 50c

OLYMPIC.-1-Deep rich crimson; very large, petals incurved and of great depth; a strong grower. Fine exhibition dahlia. Each, 50c

OTHELLO.-1-A glorious full, large flower of deepest richest crimson, center almost black; finest true cactus form; one of the earliest.

Each, 35c

PROGENITOR.-2-Bright carmine; fringed petals; a free bloomer of great beauty. Each, 20c
RENE CAYEUX.—Brilliant geranium red. Early,

continuous bloomer with flowers borne on good stiff stems well above the foliage. Plant is of dwarf compact growth suitable for hedge.

Each, 25c

SIGNAL.-3-Brilliant crimson scarlet; height 24 inches; flowers large, of fine form; free blooming.

UNCLE TOM.-3-Dark maroon, medium size; quite free. Each, 15c

Lavender

INDOMITABLE.-1- Long, very narrow petals, perfectly incurved; in color a rosy mauve; a beautiful, erect flower on good stems. Each, 50c

MAUVE QUEEN.-1-A beautiful true lavender with lighter center, full flower with finely quilled petals beautifully formed, incurved. Each, 35c

Yellow and Shades

CAPSTAN.-3-Orange-scarlet and apricot; one of the finest for cut flowers; dwarf-habit, free-bloomer, large perfect flowers.
 Each, 15c
 DRAGON D'OR.-2-A magnificent deep rich yel-

DRAGON D'OR.-2-A magnificent deep rich yellow of mammoth size. Petals broad and deeply cleft at tips.

Each, 25c

DR. ROY APPLETON. -1 - The finest of the straight petal type, of perfect starlike form; color, a beautiful light lemon yellow, merging to light salmon, lighter at tips; plants of good habit with long stems and one of the best for exhibition purposes.

Each, \$1.00

ENCORE.-1-A pleasing shade of orange-buff, incurved petals, strong stems and perfect habit of growth.

Each, 35c

FLOSSIE RIDEOUT.- 1 -Pure deep yellow with finest needle-like petals, sometimes with distinct pure white tips.

Each, 35c

GELBER PRINZ.-3-A grand new yellow of Marechal Neil shade, a color never before obtained in a Dahlia. Flowers are extra large, and graceful form, full centers, carried on large stems and keep well, both cut and on the bush. Each, 60c

GENOVEVA.-1-An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, with well filled incurving petals.

GOLDEN WAVE.-1-A magnificent clear deep yellow, of splendid form and largest size; petals are long and narrow, flowers full and symmetrical; one of the very best yellows.

Each, 50c

GOLD REGEN.-1-True cactus type, twisted petals, deep bright yellow; long stiff stems; a splendid flower. Each, 40c

IVERNIA.—1—Beautiful form, of all around excellence; bright salmon fawn. Each, 35c

JOHANNESBERG.-1 -A giant golden yellow of great brilliancy; the shapely, graceful flowers being well poised on long stems; a variety of the greatest merit. Each, 50c

MODELL.-3-A beautiful clear waxy yellow, with a delicate plum blush sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers.

Each. 50c

MRS. WM. E. RUSSE.-7-A most pleasing yellow with chamois center, the broad twisted petals edged plum shading to old rose, extra fine stems; an unusually attractive well finished flower.

Each. 50c

NEW YORK.—Immense flower with regularly incurving narrow petals. Color, orange yellow center shading off to deep bronze salmon. Strong stems. Each, 35c

WODAN.-7- Magnificent flowers of largest size and pleasing form, color orange rose shading to old gold center, very vigorous. Each, 50c

Pink and Shades

BRITTANIA.-3-Beautiful salmon-pink. Each, 25c COUNTESS OF LONSDALE.-3-Rich, rosy-salmon, very floriferous; one of the best. Each. 25c

FREDERICK WENHAM.-1-One of the largest cactus dahlias yet raised; in form the flowers are partially incurved. Growth upright; strong stems; color warm fawn-pink, with soft salmon at the center.

Each, 50c

GALATHEA.-5-A delicate soft flesh pink of finest form; a flat petaled type listed in the cactus class by the originator. Galathea is a pleasing and most desirable addition. Each, 60c

GONDOLA.-1-Beautiful shade of pink; with bright old-gold penciling; large, with long incurved twisted petals, lighter at tips. Each, 35c GWENDOLINE TUCKER.-1-A dainty rose color

GWENDOLINE TUCKER.-1-A dainty rose color with lighter center, a finely formed, full flower. petals incurved, carried on long, strong stems, An exhibition variety. **Each**, **50c**

HELENE.-3-Delicate, clear pink, with rich, creamy center, a beautiful flower on very long stems and the greatest bloomer of all.

Each, 15c

MARGUERITE BOUCHON.-3-Brilliant rose with white center and white tips: very strong stems. A dainty and beautiful flower of large size. Each 35c

KRIEMHILDE.-3-Blusn pink; a prize winner; one of the finest dahlias. Each, 20c

MRS. J. B. CHAFFEY.-1-A deep rich rose pink of superb form, flowering abundantly throughout the season and is of great value for cutting; stems strong, upright and long—a great beauty under artifical light.

Price, 35c

MRS. WILLIAM H. TAFT.-1-Color the lovely pink of La France rose, with lighter center; a large handsome flower with fine petals beautifully incurved; vigorous and free. Each, 35c

CACTUS DAHLIAS—Continued White Variegated ar

THE BRIDE.—3-A pure, glistening milky white, of great substance and of full rounded symmetrical form, grows erect, keeps well cut and the golden variegated foliage is very attractive.

Each, 25c

GUNTHER.-2-Pure white with broad twisted petals on stiff stems. Large and beautiful. Each, 25c LAWINE.-3-Fine large white, faint blush tint,

erect, free-flowering; extra good. Each, 25c RHEINKOENIG.—2—(King of the Rhine) Dazzling snow-white of magnificent form and largest size; although large, the flowers are daintily formed and of splendid substance, carried above the foliage on fine long stems, and are very

lasting when cut.

Variegated and Shaded

COMET.-2-Extra large. silvery rose, marked crimson, a very free bloomer, of good habit.Each, 25c

CURIOSITY.-1-Large full white flower with claw shaped petals, penciled rose carmine; a very beautiful, graceful and free blooming flower; good stems. Each, 50c

H. L. BROUSSON.-1-The extremely long and slender petals are daintily twisted and incurved in a most pleasing way. Color is salmon-rose on a pale yellow ground, showing lighter center and tips. Special awards.

Price, 75c

RELIABLE.-1-A blending of yellow, brick-red and salmon; truly a grand flower. Each, 25c

Show Dahlias

The show or "quilled" Dahila is the popular old fashloned type and has been so improved that many of our most magnificent flowers belong to that class.

Each, 35c

A. D. LIVONI.—This grand old variety still remains the best pink of its type. Each, 15c

DIADEM.—Brilliant rich crimson of fine full form, free blooming, has good stems. Each, 25c

DREER'S WHITE.—A magnificent white of largest size and great purity, long stems. The best of its color. Each, 35c

FRANK SMITH.—Very dark rich red with light tips, variable; a fine full flower, good grower. Each, 15c

GOLDEN BOW.—A new, rich yellow of splendid form; has long stems, large flowers and blooms continuously.

Each, 35c

GRAND DUKE ALEXIS.—A giant glistening, clear white flower, with the daintiest of lavender flakes or markings near center.

Each, 25c

LUCY FAWCETT.—Light canary yellow, with penciling of clear magenta. Large and very free.

Each, 20c

JOHN BENNETT.—Yellow, deeply edged scarlet; a very free bloomer and a desirable color. Each, 25c

MRS. ROOSEVELT.—A beautiful, delicate pink, of immense size. fine stems, perfect form, large and double, superb.

Each, 35c

NORMA.—Pure old gold with delicate plum suffusion that adds to its brilliancy; a full, well formed flower on good stems.

Each, 25c

THOS. PENDRED.—Finest and largest of the pure yellows, a rich soft shade of golden yellow; perfect form, blooms freely and continuously, even in driest weather.

Each. 25c

YELLOW KING.—Magnificent pure rich yellow of large size and splendid form. Yellow King is truely a "King" in its class and should be added to every collection. Each. 75c

W. W. RAWSON.—Pure white overlaid with amethyst blue. Petals are quilled toward center but more open at outer part, The massive flowers often measure 7 inches in diameter; borne on stiff erect stems.

Each, 50e

Decorative Dahlias A Magnificent Collection of the Best of this Superb Type

Each, 35c

DELICE.—(Decorative.) Lovely shade of pink, broad petaled flowers with large stiff stems, very floriferous. A fine, lasting cut flower. **Each, 35c**

JEANNE CHARMET.—A beautiful lilac pink; each petal edged with white; flowers are very large and stems exceptionally long; very fine. Helght, 4 feet. Each, 25c

GAIETY.—A superb new decorative, vivid scarlet, heavily marked with pure white; stems are long and flowers are produced freely; excellent for cut flowers.

Each, 35c

LAVENDER QUEEN.—Clear, soft lavender; petals deeply serrated. Each, 15c
LE GRAND MANITOU.—(Decorative.) Immense

LE GRAND MANITOU.—(Decorative.) Immense perfect flowers, color a white ground splashed and striped with deep violet red; the finest variegated Dahlia in the decorative class. Each, 35c

MME. A. LUMIERE.—Pure white with violet-red points, good.

Each, 25c

MRS. WINTERS.—Snow white, large, beautiful

MRS. WINTERS.—Snow white, large, beautiful form. Each, 20c

MEADOW GOLD.—A lovely, clear lemon, shading to creamy tips, a free and constant bloomer, with long strong stems.

Price, 35c

MLLE. OCTAVIE GRAINDORGE.—NEW. A magnificent pure white, of great beauty of form; an ideal flower in every way. Each, 50c

PRINCESS JULIANA.—Originating in Holland; flowers are pure white, of perfect form, foliage is rich dark green. A splendid grower and profuse bloomer, the magnificent flowers carried on long, strong stems, will keep for days when cut. Special Award Royal Horticultural Society.

Plants or tubers, each, 50c
REISEN VON STUTTGART.—A bright blood
red; seedling of the famous "Doazon," of great
size and beauty. A free bloomer and good cut
flower.

Each, 35c

SOUVENIR DE GUSTAVE DOAZON.—The largest Dahlia to date often growing 9 inches in diameter; constant bloomer, magnificent rich scarlet color: the greatest of all Dahlias. Each. 25c

Collarette Dahlias

Collarette Dahlias are of French origin, having single flowers with an additional row of petals around the disc, forming a frill or collar usually of a contrasting color.

ALBERT MAUMENE.—Rosy mauve, suffused with lilac, white collarette, fine stems. Each, 35c COLLARETTA.—Lovely rose-shaded pink, yellow and rose collarette; very pretty. Each, 35c FINE FLEUR.—Shades of fawn, apricot and yellow. Yellow collarette, very distinct. Each, 35c TITANIA.—Deep crimson, edged rosy lake, white

collarette.

Dwarf MIGNON Dahlias

NEW "MIGNON" DAHLIAS.—A new dwarf type of single flowered Dahlias, growing to a height of about 14 inches. Plants are bushy and symmetrical and produce in the greatest profusion brilliant large flowers of fine substance, borne on long stiff stems high above the foliage. They make a grand garden display and are long keepers when cut. Mignon Dahlias originated in Holland and were awarded 5 first-class certificates and 5 awards of merit at Amsterdam. We offer in four colors: Brilliant Orange, Velvety Crimson, Yellow and Violet.

Price, each, 15c; doz., \$1.50

Paeony Flowered Dahlias

THE rare new shades, brilliant coloring, velvety finish and glistening sheen of their petals, their giant size, yet most graceful and pleasing forms are not found in any other class of flowers. The varieties we offer have received special certificates of merit at the Amsterdam and Haarlem Shows.

Paeony Dahlias bloom more freely than any other class and are very vigorous, growing to a height

of 5 to 6 feet, with their flowers on long stems above the foliage.

MRS. WARNAAR. - A gem among the many wonderful new Dahlias the Holland growers have given us. Color creamy white suffused Awards of merit pink of distinctive form. Price, each, 75c Haarlem and Amsterdam.

ANDREW CARNEGIE. - 6 - Salmon pink, shaded bronze, center very prominent and rounded; petals are somewhat flat, 4 ft. Each, 35c

AMERICA.-6-A glowing old rose overlaid with a rich shade of old gold. A shapely, full flower of 7 to 9 inches in diameter, with broad, gracefully twisted petals; flowers erect on long, strong stems. A magnificent and distinctive flower well worthy of the name "AMERICA".

Each, 35c A. SCHUTTEVAER.-6-White ground with lilac Each, 35c suffusion. Rare and beautiful. BEAUTY OF CROYDON HALL .- 6-Shades of

lilac, salmon and pink, a profuse bloomer of splendid form. Each, 35c

BERTHA VON SUTTNER. - 6-Salmon pink, shaded yellow, erect, elegant form. Height 4 1/2 Each, 35c

DOMINION.-6-Bright rosy red, shading rose-pink toward edges; large full flower, ornamental foliage. Each, 35c

DR. PEARY.-6-Brilliant, dark, velvety garnet red of magnificent form, the large twisted petals producing a graceful flower of great beauty. The small deep golden center enhancing the brilliancy of the pure self-colored petals. Flowers well poised on strong stems. Each, 50c

EILEEN KELWAY.-6 - Golden yellow over-laid cerise with yellow center. Very attractive, shapely Each. 50c

GEISHA.-6-Geisha has a rich, bright golden yellow ground color near center; suffused and heavily marked with clear, bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center adds to the harmony of the color scheme. Flowers often attain a width of 10 to 12 inches, and the massive petals are twisted and curled in the most fantastic Each, 50c manner.

GERMANIA .- 6-A rich, dark, velvety wine color with suffusion of golden-yellow toward the edges of petals. Germania is free from the purplish tint that spoils other reds. Each, 35c

GIANT EDELWEISS .- 3-This new type of Dahlia has true cactus petals of enormous length, curving inward at the tips; color a pure glistening velvety white, of great substance; the center is a brilliant golden yellow, a Giant duplicate of the famous Edelweiss of the Alps. Flowers are erect on long stems, 5 feet. Each, 35c

GLORY OF NYKERK.-6-Dark, violet red, over-laid with blackish crimson. A brilliant and attractive flower of large size and finest Paeony type; good stems, beautiful foliage. Each, 50c GREAT BRITAIN.-6-A magnificent, full petaled flower; color a pleasing light mauve with dark markings toward center. Of the largest size and most graceful Paeony type. Each. 50c

HORTULANUS FIET.-5-Bright salmon rose on old gold and orange, lighter towards tips. A most magnificent and truly maryelous flower. being a mass of blooms throughout the season.

Each, 50c HORTULANUS WITTE.-5-A wonderful giant white of great beauty, the broad, graceful petals are of good substance and of a glistening pearly white with fine large stems. First-class certificate. Each, 50c

JAN OLIESLAGERS.-6-A grand, new clear deep yellow of fine Paeony form. Flowers of good

substance, erect on long stems. Each, 50c KING GEORGE.-6-Rich wine red, large full flow-

er, very conspicuous and attractive. Each, 35c LA HOLLANDE.-6-Dainty light rose with golden suffusion that deepens toward the center. large and beautiful flower. Each, 50c

LEO XIII.-6-A giant yellow, rich, deep and brilliant. The full massive flowers are of ideal form with petals twisted and incurved, making a graceful fluffy flower well poised on strong Without question the best yellow of Each, 50c its class to date.

MADAM VON BYSTEIN.-6-A magnificent lilac lavender, changing to light blue. A dainty fluffy flower of large size and lovely form; good stems. A graceful, refined flower of a new and beautiful shade. Each, 50c

MME. BUTTERFLY.-6-Soft salmon rose, having a rich golden sheen. Each, 50c

OREGON BEAUTY .- 6-A rare color - bright fiery scarlet with golden sheen-its very distinctive form, giant size, long stems and vigorous free blooming habit make it a worthy Dahlia for any garden. Each, 35c

PHILADELPHIA.-6-In form this is a semi-double cactus of giant size; color, rich reddish-purple with brighter shadings, suffused and marked with white; very free flowering. Each, 35c

PRESIDENT FALLIERS.-6-Orange red of a most pleasing shade. The splendid shapely flowers freely borne on good stems. Each, 35c

P. W. JANSSEN.-6-A magnificent Dahlia of splendid form and distinctive coloring, being a lovely shade of old rose, marked and suffused with deep, rich golden yellow. Each, 35c

QUEEN EMMA.-6-A bright pink with darker pink penciling and narrow yellow shading in center Each, 35c of petals.

THE BRIDE.-6-A giant flower of graceful form. Color is silvery white, of full fluffy Paeony type, Each, 50c center petals twisted.

ZEPPELIN.-6-A rich, bright lavender of the largest size, well poised on big strong stems. A truly magnificent flower of great beauty. Each, 35c

Pom Pon Dahlias

These are pretty little globe shaped flowers on long stems, high above the dwarf foliage, fine for border, keep well when cut.

BESSIE.—Creamy white, finely quilled. Each, 15c CATHERINE. - Purest yellow; large. Each, 20c DARKEST OF ALL.-Darkest pom-pon; perfect Each, 20c

GUINEVERE.-Pale salmon and yellow suffused and shaded pink with distinct gold tips.

Each. 20c GLOW WORM .- Rich yellow center with red tip covering about one half the petal, shading lighter Each, 20c toward center.

HYPATICA.—Amber shaded fawn edge and center Each, 20c lighter.

LILACEA.—Pale blush pink tipped rosy lilac.

Each, 20c

LITTLE HERMAN.—Deep carmine, shaded garnet; tipped white. Each, 20c

NERISSA .- Soft pink, silvery tint; a beautiful new color. Each, 20c

POMPONIA.—Bright amber edged rosy cerise. Each, 20c

WHITE ASTER .-- ("Guiding Star.") A dainty. graceful, pure white flower with tips of petals cleft, giving a fringed effect. Each. 20c



DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of famous European growers.

OUR ROSE ORDER entrusted to us will insure careful selection and no substitution. If you Your Rose order entrusted to us will insure careful selection and no canonical do not find what you want in this catalog write us. Our excellent connections with the great centers of production enable us to supply any variety in commerce.

Abbreviations

T.—TEA—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, but, as a rule, not so hardy as the H. P.'s. Many of our best roses are in this class.

Other abbreviations that are often used are: S.—Single; H. B.—Hybrid Briar; Wich.— Wichurlana; N.—Noisette; Poly.—Poly-anthus; Pern.—Pernetiana; A. B.—Austrian Briar.

PLANTING AND CARE

In our favored section, roses attain a perfection seldom equaled, but you cannot expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL-Any good, well-drained garden soil, enriched with fertilizer, will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

FERTILIZER—Our odorless fertilizer, Bone Meal. Tankage of Blood, will give excellent results and should always be applied after the plants

start their growth.

WATERING—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more Do not get the foliage wet after a hot This causes mildew.

FINALLY-Keep the surface well worked around the plants. This is as necessary as water or fertilizer. When planting cut back freely, and the bush will recover quickly.

SHIPPING-We always send all our two-year-old rose bushes charges collect by express or freight packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost of 7c each to cover postage, but in such cases we always prune the tops and roots ready for planting.

PRICES.—35c roses, \$3.00 doz.; 40c roses, \$4.00 doz.; 50c roses, \$5.00 doz.; 60c roses, \$6.00 doz., 75c roses, \$8.00 doz.; \$1.00 roses, \$10.00 doz.

OREGON GROWN ROSES Are ready for Fall delivery in October—Imported Roses should reach us in late November and December. Most all stock offered for Fall delivery is budded 2-year Field Grown Roses, as many varieties do not give good results grown on their own roots. But for those who prefer "own root" Roses we can secure most varieties.

FWe offer a splendid assortment of popular roses and the best of the new ones, and can secure any variety in commerce, TRUE to NAME.

NEW GOLD MEDAL COLLECTION for 1917

Magnificent new roses direct from famous Irish and European Producers, together with the best offerings of our American Growers. Many of the better known roses and some of the newer ones are grown in Oregon and dug and packed as ordered.

WARD—(H. T.) A fine bedding variety of vigorous growth and erect branching habit. Spherical blackish red bud opening to large full globular flowers of crimson red with shadings of fiery red and velvety purple. Each, \$1.00

AUGUSTUS HARTMAN—(H. T.) Large, well formed flowers, with high pointed center. Is perfectly distinct in color, being a brilliant geranium red flushed with orange. The stout stems make it an ideal rose for exhibition. Foliage not susceptible to mildew. Each. 75c

AUTUMN TINTS-(H. T.) A splendid bedding rose producing medium size flowers in great profusion. Color, coppery red, shaded orange and salmon with rich bronze green foliage. Very effective.

COUNTESS CLANWILLIAM-(H. T.) A distinct and charming rose. producing flowers in great abundance. Color delicate peach pink, petals flamed and edged with deep cherry red. Long pointed buds opening to large full flowers. Of strong and vigorous habit. Each, 75c strong and vigorous habit.



Los Angeles

CONSTANCE—(H. B.) Very free and vigorous growth of spreading branching habit. Long orange yellow bud streaked with crimson, opening to large full flowers of beautiful cadmium, Each, \$1.00 passing to golden yellow.

DUCHESS OF SUTHERLAND-(H. T.) Delicate warm rose pink with lemon shading on white base. Flowers are large, full and conical with unusually large petals and possess a delicious sweet briar perfume. A splendid exhibition and garden rose. Each, 75c

HADLEY-(H. T.) A new American Rose of great promise. Color, beautiful bright red. Very free and constant. Each, \$1.00

H. V. MACHIN-(H. T.) A splendid exhibition variety. Color, intense scarlet crimson. Well formed flowers of immense size. Each, 75c

HOOSIER BEAUTY-The color is magnificentcrimson scarlet with darker shadings, and velvety texture. Bud long and pointed. A good keeper; deliciously fragrant. A clean vigorous grower.

Each, \$1.25 LADY MARY WARD - (H. T.) Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veneering; very brilliant, splendid for bedding and cutting Each, 75c

MAD. EDOUARD HERRIOTT—The famous win-ner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in a rose. The bud is long and sharply pointed: the foliage is dense, leathery and a deep glossy green; a rare beauty. Each, 60c

NATIONAL EMBLEM—(H. T.) A most perfect garden and cut flower rose, having long pointed buds carried on streng wiry stems. Flowers are well formed, of beautiful dark crimson overlaid velvety crimson, shading to vermilion towards the edges. Foliage, glossy and not susceptible to mildew. Profuse bloomer and sweet scented. Each. \$1.25

New Los Angeles

THIS grand new American Rose is offered as the most valuable and useful introduction of recent years. The foliage is a rich luxuriant glossy green. proof against mildew and fun-

gus attacks, the canes are strong, growth vigorous and each shoot bears a glorious, perfect rose of exquisite form and rare beauty of coloring, de-scribed by the originator as "a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals." The fragrance equals in intensity the

finest Marechal Neil; the wonderful beauty and form of the buds, long pointed and lasting, and the fact that open flowers will keep for five or six days after cutting make "Los Angeles" a most valuable cut flower and decorative rose. The flowers are very large, petals of good substance, firm and lasting and the beauty of coloring does not fade, they are borne profusely from early summer until late autumn.

the strong shoots often attaining a growth of four or five feet. When the flowers are cut from these shoots the plants throw side shoots which flower freely, and under the most severe tests of weather "Los

Angeles" maintains its healthy growth, vigor and blooming qualities. urge you to give this grand new garden and exhibition rose a trial. Two-vearold field grown plants only.

Each, \$2.00

OPHELIA

This wonderful new and delightful rose. with orange salmon buds, the gracefully reflexed petals, shading to dainty pink, the open flowers of great refinement and rare and lasting beauty need only be known to rank as a leader among our finest garden roses. The foliage is clean, dark and leathery—the growth vigorous and free, producing long canes, every one crowned with a perfect flower. Blooms early and continuously. By special arrangement we will have a splendid stock for delivery after March 1st, from 3-inch pots; fine large plants—at a price that should place "Ophelia" in every rose garden.

Each, 75c

OLD GOLD-(H. T.) A splendid garden rose of vivid reddish orange color with coppery red and coppery apricot shadings. Flowers are medium size and moderately full. Fine for Each, 60c

PRINCESS MARY—(S.) A free blooming, sweet scented rose of deep crimson-scarlet with prominent yellow stamens. Buds long and pointed on stiff stems. Undoubtedly the largest and Each, \$1.25 finest single rose yet produced.

QUEEN MARY-(H. T.) Vigorous, free branching growth, a bedding and garden rose of great beauty and refinement, flowers medium size and fine form, color lemon chrome, bordered at the edge with pure, deep carmine; a charming combination affording a most delightful contrast.

Each, 75c

RED LETTER DAY—(H. T.) An exceedingly beautiful semi-double rose of velvety brilliant scarlet crimson. Flowers are medium size, curiously cactus-shaped and do not blue or burn. Its vigorous erect growth and free blooming qualities combined with the splended flowers make this one of the most attractive decorative and bedding roses yet produced.

Beautiful Roses of Recent Introduction

The following are the recent novelties and Gold Medal roses that have proven their merit and are now becoming generally in great demand.

Fine 2-year Dormant Plants 50c; \$5.00 per doz. unless otherwise priced.

BRITISH QUEEN-(H. T.) Pure white large, full flowers of exquisite form, opening freely in all weathers; promises to be one of the best white roses for bedding and cutting.
COUNTESS OF SHAFTESBURY—(H. T.)

splendid new pink of the most ideal type of Hybrid Tea; flowers are large, perfect in form and produced in the greatest profusion. The color is a bright, silvery carmine, mottled and flushed shell pink, giving a picotee effect; a fine exhibition rose, being a Gold Medal winner. **DUCHESS OF WELLINGTON**—(H. P.)

WELLINGTON—(H. P.) tense saffron yellow stained with rich crimson which, as the flower develops, becomes deep coppery saffron yellow. Delightfully fragrant and of free blooming habit. Splendid for decor-

ative purposes.

EDITH PART—(H. T.) Free branching growth, flowers of good substance; rich red with a suffusion of deep salmon and coppery yellow, fine garden and exhibition Rose.

EDWARD MAWLEY—(H. T.) Flowers large and full, of finest form, with beautiful, long pointed buds; color deep, rich, velvety crimson which does not fade; flowers keep well when cut; growth is vigorous, upright and branching, with handsome foliage. Edward Mawley is one of the finest red roses ever offered, being a decided advancement in its class.

GEORGE DICKSON — (H. T.) Very strong and vigorous, upright growth, flowers of the largest size; perfect in shape and unique in color, being a velvety blackish crimson, with the back of the petals heavily veined with pure crimson maroon. Delightfully scented. Each, 60c

JULIET — (H. B.) A magnificent new rose color being a wonderful combination of old gold on the outside of petals and a rich, rosy red on the inside. Flowers are large, full and delightfully scented. The foliage is luxuriant and beautiful.

LADY HILLINGDON—(T.) Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting. Flowers are of a good substance, very lasting and foliage hand-some and luxuriant. Lady Hillingdon is considered the best decorative rose in its class.

LADY ALICE STANLEY—(H. T.) This grand new gold medal rose is large, very full and of splendid substance; petals shell shaped, pointed giving perfect form to the flowers, which are a lovely, deep coral, inside pale flesh; deliciously fragrant and are very lasting. A free grower and a profuse and constant bloomer.

LOUISE CATHERINE BRESLAU -- (H. T.) Coral red, shaded chrome yellow, opening to a large full flower of shrimp pink, shaded coppery orange, free and constant.

LYON — (Pernetiana.) Lyon is a beautiful shrimp pink with salmon and chrome vellow shadings. Large, coral red buds, beautifully formed; full, globular flowers of rare beauty; a

continuous and free bloomer.

MELODY—(H. T.) Intense deep saffron vellow with primrose edges. Blooms are of medium size, very fragrant and freely produced. An excellent bedding and forcing variety.

MRS. CHAS. E. ALLAN—(H. T.) A delightful garden rose of a delicate and novel coloring, opening a pale orange and changing to ochre as the flower opens. Buds are long, pointed, and flowers are full on good stems, flowers freely every shoot producing a bloom. A vigorous grower and one of the finest garden roses ever introduced.

MADAME MELANIE SOUPERT - (H. Splendid new orange yellow shaded pink; beautiful, long-pointed buds, large size, free blooming; a strong, upright grower: best of its color.

MARQUIS DE SINETY—(H. T.) Deep saffron yellow, flushed reddish copper. Flower large,

beautiful dark foliage.

MRS. CORNWALLIS WEST—(H. T.) very vigorous and erect, producing freely, large full flowers. Color, rosy shell pink changing to pure white with age. Fine for exhibition.

MRS. FOLEY HOBBS—(T.) A veritable giant

among Tea Roses. Color, delicate ivory white, delicately tinged pink on edge of petals, deliciously scented; a great bedding rose. Each, 60c

MRS. E. J. HOLLAND—(H. T.) Deep salmon rose, shading lighter as the flower expands, large, full, free blooming good garden and bedding rose.

RAYON D'OR - (Pern.) Flowers large, full, open freely. Buds long, pointed, of deep orange cadmium smeared claret, opening to a rich sunflower yellow, which does not fade. Foliage is deep, glossy green; and free from the attack of mildew. This splendid new rose is a cross between Melaine Soupert and Soliel D'Or.

SUNBURST-(H. T.) The finest of all'yellow roses with long pointed buds carried singly on good stems. Flowers large, full and of most beautiful form, color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green; a vigorous grower andi good both as a forcing and garden rose.

Baby Rambler or Dwarf Polyanthus Roses

2-year-old plants, 35c each. Except as noted.

CECILE BRUNNER-(Poly.) Bright, rose, yellowish in center: very sweet; dwarf polyanthus.

PINK BABY RAMBLER—(Mrs. W Cutbush) Similar in growth with the other Baby Ramblers, but with clusters of pretty double bright pink flowers; freely produced in panicles, always in

BABY RAMBLER-(Dwarf Bush Type.) A dwarf Crimson Rambler not over 18 inches high, producing large trusses of 'light crimson flowers; clean dark green foliage, it will flower the year

ERNA TESCHENDORF—A valuable sport from Mad. N. Levavasseur. Color, deep crimson which does not fade.

KATHERINE ZEIMET - Small, double, pure white flowers. A free and continuous bloomer.

GEORGE ELGER-(Dwf. Poly) Free blooming. erect growth, golden coppery yellow, a fine bedding Rose.

PERLE D'OR-Dainty Nankeen yellow buds with orange center, produced in clusters, very beautiful.

JEAN DE ARC-Miniature double white flowers in large clusters surmount the plant all summer long.

JESSIE—Bright scarlet shaded crimson. Flowers double and in great clusters. Very free in growth and bloom. Its brilliant color under even the hot sun is its chief characteristic. Very lasting.

ORLEANS-(Poly.) Clusters of bright rosy red flowers, with centers shaded to pure white. A very valuable and distinct addition to this class of roses.

Single Roses

AUSTRIAN COPPER—(A. B. Single) A beautiful single rose of the Austrian Briar class. Color, ful single rose of the Australian bright reddish copper. Very striking. Each, 50c

irish simplicity—(8.) Almost single, pure white and of immense size. The great size and substance of the petals which are slightly cupped and the golden yellow anthers may readily bring to mind the comparison to a huge water lily. Vigorous grower with handsome deep green Each 50e

IRISH FIREFLAME—(S.) A dainty new single rose, buds hold their shape a long time. Color, deep orange splashed crimson, changing to fiery orange crimson, distinct and a valuable decorative rose. Each, 60c

IRISH ELEGANCE—(8.) Large, single, golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage; a fine buttonhole rose. These single roses make a charming garden display, blooming profusely, and are also splendid for exhibition.

Grand Garden Roses

These splendid free blooming Roses are newer varieties that are becoming more plentiful and can be offered at a very low price. In this list you will find many famous prize winners and some of the most beautiful and popular roses.

Price: Two-year-old Plants 40 cents each, unless otherwise priced.

DOROTHY PAGE ROBERTS-(H. T.) Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.

FARBEN KOENIGIN—(H. T.) Imperial pink, reverse of petals carmine, very free and per-

petual, good bedding rose.

HARRY KIRK-(H. T.) A splendid rose of deep sulphur-yellow color passing to a lighter shade at the edge of petals. Buds long and elegant. Blooms freely and continuously; is of robust growth and free branching habit.

HEINRICH MUNCH-(H. P.) "Pink Frau Karl Druschki." Color, soft pink, very large and full

JONKHEER J. L. MOCK—(H. T.) A magnificent and unique rose. Inside of petals red, outside silvery blush white. Of fine form, good substance and largest size. A strong, rapid grower.

JOSEPH HILL—(H. T.) Salmon pink shaded

yellow. Outside petals yellow suffused copper, a

large, free blooming rose of elegant form.

LADY ROBERTS—(T.) Rich apricot, base of petals coppery red, edges of petals shaded orange,

bud long and pointed; very beautiful.

MRS. AARON WARD—(T.) One of the most delightful roses of recent years in a color that catches the eye at once-a deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. One of the most beautiful roses in existence. Each. 50c LE PROGRESS—(H. T.) Nankeen yellow, opening to saffron yellow; large, full and cupped, opening freely; a grand rose, always in flower.

MILDRED GRANT—(H. P.) Delicate pale pink, shading to silvery white in center; grand giant variety of rare beauty; perfectly formed, pointed buds; full flowers of fine substance.

MRS. DAVID MCKEE-(H. T.) Creamy yellow, large, full, freely and continuously produced. Best of its color.

MRS. DAVID JARDINE—(H. T.) Delightful shade of bright, rosy pink, shading in outer petals to salmon pink; large, highly perfumed.

MADAME PHILLIPPE RIVOIRE — (H. T.)
Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large, full and globular.

MAD. SEGOND WEBBER-(H. T.) Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

MRS. A. R. WADDELL—(H. T.) A strong, grower, foliage highly ornamental. Large, long pointed buds of a bright, rosy scarlet, a finely formed flower of a rich apricot or salmon color.

PHARISAER—(H. T.) Rose, shaded salmon, blooms freely; opens well, is large and of finest form. A free and constant bloomer.

Finest Hardy Perpetual Roses

For Eastern Oregon and Washington or in sections where the winters are severe, this magnificent collection of choice hardy roses will give splendid satisfaction, as they will thrive and bloom freely where the Tea and Hybrid Tea roses would not prove satisfactory.

Young Plants, 15c; Set of 14 sorts, \$1.40. Two-year-old Plants, 35c each; \$3.50 per dozen.

BARONESS ROTHSCHILD — (H. P.) Flowers of immense size; color bright rosy pink.

CAPTAIN HAYWARD—(H. P.) Immense flowers in great freedom, sweetly scented. Color deep glowing red shaded crimson. One of our finest red roses.

CONRAD F. MEYER—(Rug.) Beautiful silvery pink, of grand form and delicious fragrance, hardy in any climate, its handsome foliage makes it most valuable for a flowering hedge.

FRAU KARL DRUSCHKI—(H. P.) The white American Beauty. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower, and a constant and abundant bloomer.

GLOIRE LYONNAISE-(H. P.) Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet and very distinct.

HUGH DICKSON—(H. P.) Glowing crimson-shaded scarlet; large, full, perfectly formed, delightful perfume, strong grower, perpetual bloomer (should be cut back freely). After careful comparative tests, we believe Hugh Dickson is the best hardy red garden rose to date.

GENERAL JACQUEMINOT-(H. P.) Bright, shining crimson; very rich and velvety.

MRS. JOHN LAING - (H. P.) Very free flowering; color, a soft, delicate pink, with satiny tinge.

MABEL MORRISON —(H. P.) Of purest white; velvety in appearance; petals thick and shellshaped; very double and rounded.

MARGARET DICKSON-(H.P.) Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragant.

MRS. R. G. SHARMAN CRAWFORD-Lovely deep rose pink, outer petals shaded pale flesh, base white, a new and unique shade. Large perfect flowers, free blooming; a grand Autumn rose.

PAUL NEYRON—(H. P.) Deep, shining rose, double and handsomely formed; blooms freely. the largest variety in existence.

PRINCE CAMILLE DE ROHAN — (H. P.) Very dark, rich, velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.

ULRICH BRUNNER-(H. P.) A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson. elegantly flamed with scarlet.

Favorite Garden and Exhibition Roses

A choice collection of the best standard varieties and newer roses, that are "tried and true," sure to give satisfaction.

Price, Two-year Field grown Plants, 35c: Doz. \$3.00.

AMERICAN BEAUTY-(H. P.) One of the largest, sweetest and best; color rich rosy crimson, shaded and veined in the most charming manner.

AVOCA—(H. T.) Deep scarlet crimson flowers

of perfect form; very fragrant.

- BELLE SIEBRECHT—(H. T.) A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.
- BESSIE BROWN—(H. T.) Creamy white; large full and of very fine form. An exhibition rose.
- BETTY-(H. T.) Beautiful coppery rose color, overspread with golden yellow. Deliciously fra-grant; very large, fairly full and of glorious form. Superb decorative variety for the garden.
- CLARA WATSON-(H. T.) A bright salmon rose tinted peach, good form; a vigorous grower.
- COUNTESS OF GOSFORD-(H. T.) Clear salmon pink, base of petals shading to saffron yel-
- low, very vigorous; perpetual bloomer. **DEAN HOLE**—(H. T.) Beautiful silvery carmine, shaded bright golden pink; grand flowers of great substance; perfect in form; vigorous, free branching habit; continuous bloomer; one of the best exhibition roses. Gold medal N. R. S.
- ETOILE DE LYON-(T.) Blooms freely, and every flower is a gem, equaling the Marechal Neil in size. Sweet scented; color, rich golden vellow.
- FLORENCE PEMBERTON—(H. T.) Creamy white, suffused pink. Flowers very large and full, of perfect form and wonderful substance.
- FRANZ DEEGAN-(H. T.) This beautiful yellow Hybrid Tea is a fine grower, having dark, leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size.
- GENERAL MCARTHUR (H. T.) Dazzling crimson scarlet; a grand American rose of ideal form, delicious perfume and magnificent foliage. Blooms continuously in great profusion; the grandest red rose for garden or cutting.
- GRUS AN TEPLITZ or VIRGINIA R. COXE-(H. T.) Color, flery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose.
- HON. INA BINGHAM-(H. T.) Bright pink, good substance, large, desirable garden rose.
- J. B. CLARK-(H. T.) One of the finest of new roses. Its glorious flowers are intense scarlet shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous and upright.
- KAISERIN AUG. VICTORIA—(H. T.) A beautiful rose with elegant, large pointed buds and very large, full double flowers; color delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer.
- KILLARNEY-(H. T.) The new Irish Beauty. Color an exquisite shade of deep shell-pink light-
- ened with silvery pink. **LADY ASHTOWN**—(H. T.) One of the finest pinks of a rich, deep, silvery tone; flowers large,
- perfect form; free blooming; vigorous. **LADY BATTERSEA**—(H. T.) This variety has long, oval buds, sharply pointed; very striking in form. The color is a bright, cherry crimson.
- LA FRANCE—(H. T.) Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite. Sweetest of all roses.
- LA DETROIT-(H. T.) A beautiful shell-pink shading in the center to a soft rose pink. Reverse of outer petals creamy-flesh tint, strong, healthy grower; prolific bloomer, delightful tea fragrance.

- MAD. ABEL CHATENAY-(H. T.) Color, beautiful rosy carmine, with darker shadings. richly colored. One of our finest varieties.
- MADAME CAROLINE TESTOUT—(H. T.) grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."
- MAD. RAVARY—(H. T.) Beautiful clear orange yellow. Long pointed buds; flowers of fine form.
- MAMAN COCHET-(T.) This is one of the most beautiful Tea roses we list. The color is a deep rosy pink, the inner side of the petals silvery rogo
- MARIE VAN HOUTTE—(T.) Of a fine faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine.
- MME. LEON PAIN-(H. T.) A silvery flesh with yellowish orange center; very large and full; opens freely; vigorous.
- MY MARYLAND-(H. T.) Beautiful, bright pink, with paler edges; delightfully fragrant; robust grower and very free flowering; flowers full and good keeper. The best pink of its color; especially fine for florists, as well as being one of the grandest garden roses.
- PAPA GONTIER-(T.) Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson.
- PERLE DES JARDINS—(T.) yellow, an indescribably rich and beautiful shade.
- PINK DRUSCHKI (Geo. Arends)-(H. P.) Moderately large full flower of beautiful bright pink. Is of free flowering habit and highly perfumed. Considered the best of the so-called pink Druschki.
- PRINCE DE BULGAIRE-(H. T.) Very vigorous grower, with large, bright green foliage; beautiful form of bud, flower very large and full. outer petals are extremely large, of superb rosy flesh color; center of flower bright red, very fine and free.
- PRES. W. R. SMITH—(T.) (Maidenblush) superb new rose of American origin, producing elegantly shaped buds and open flowers of much beauty. Of exquisite silvery pink color and sweetly perfumed.
- RICHMOND-(H. T.) The most vivid of everblooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.
- SAFRANO-(T.) Bright apricot yellow, tinged orange and fawn.
- SOUV. DE PIERRE NOTTING—(T.) Very large perfectly full, of elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.
- SOUV. DE PRESIDENT CARNOT -Lovely shell-pink, delicately tinted with gold fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for summer cutting.
- VISCOUNTESS FOLKESTONE—(H.T.) Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish.
- WHITE LA FRANCE—(H. T.) This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.
- WHITE KILLARNEY—(H. T.) The finest everblobming white rose for cut flowers. The long pointed buds are of ideal form, petals purest white and heavy wax-like texture, remaining a long time in bud. Flowers are full and beautiful when open and are very lasting.
- WHITE MAMAN COCHET-(T.) White, grand substance, immense size, exquisitely fragrant and a free bloomer; buds long and pointed.

CLIMBING AND PILLAR ROSES

Two-year-old bushes, Fleld Grown, 35c each; \$3.00 doz. (except as noted.)

- AMERICAN PILLAR WICH. A beautiful bright pink with yellow anthers. The splendid large single flowers are borne in great clusters.
- **BEAUTY OF GLAZENWOOD**—Bronzed yellow or copper and fawn color. One of our grandest climbing roses. Very hardy and a free bloomer.
- CLI AMERICAN BEAUTY—This variety retains the rich crimson color and the same delightful fragrance of the American Beauty Rose—very free bloomer.
- **CLIMBING BELLE SIEBRECHT**—(C. H. T.) Flowers identical with bush type; vigorous climber; hardy.
- CLIMBING CECIL BRUNNER—Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud. A gem among climbing roses.
- ★CLIMBING FRAU KARL DRUSCHKI—Identical with the bush type—a good pillar rose.

Each. 50c

- CLIMBING KAISERIN (Mrs. Robert Peary)—
 Flowers fine, ivory white, of heavy texture, and large size.
- CLIMBING LA FRANCE—Identical with the well known La France; vigorous climber.
- **★CLIMBING LADY ASHTOWN**—Strong, vigorous climbing sport of this well-known valuable rose. **Each, 50c**
- CLIMBING MADAME CAROLINE TESTOUT.
 —Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.
- CLIMBING METEOR—Rapid grower; rich, dark, velvety crimson flowers.
- **CLIMBING WHITE MAMAN COCHET**—The introducer describes this as identical with the bush type; vigorous free bloomer.
- **DUCHESS D'AUERSTADT**—A splendid climber of the Marechal Neil type, being a more vigorous and hardy rose. Color is a fine rich yellow, flowers are large, full and open freely.

Each, 50c

- GAINSBOROUGH—Graceful flower of dainty shell pink color and satiny finish. Hardy, everblooming and a free climber.
- GLOIRE DE DIJON—An old favorite, noted for its free flowering, its delicate tea scent, and its shades of color, being a blending of amber
- LA MARQUE—Flowers of good size, bornein large clusters; color, pure white.
- **LADY GAY**—Cherry pink, fading to softer tones.

 Closely resembles Dorothy Perkins although flowers are slightly larger.
- MADAME ALFRED CARRIERE—Extra large, full flowers, very double and sweet, and a most profuse and persistent bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.
- MARECHAL NEIL—A magnificent deep golden yellow variety: so famous as to need no description: grown the world over for its immense yellow flowers; the finest rose of its color in existence.

 Each, 40c
- **CLIMBING PAPA GONTIER**—(T.) A "Native Sport" from the favorite bush "Papa Gontier."
- PINK CHEROKEE—A grand new climbing rose, of rare beauty and undoubted merit and entirely distinct from any other climbing rose. The lovely single blossoms are 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.
- REINE MARIE HENRIETTE—A strong, vigorous grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.
- REVE D'OR (Climbing Safrano)—Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.
- RED CHEROKEE.—A gleasing shade of red.
 Growth and habit similar to pink and white
 Cherokee.
- WHITE CHEROKEE—Strong erect grower with dark glossy leaves. Large pure white flowers borne in great profusion.
- WILLIAM A. RICHARDSON—Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

THE POPULAR RAMBLER ROSES

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season. They bear immense clusters of beautiful, fragrant flowers.

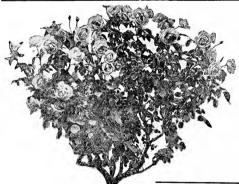
Price: Two-year-old plants, 35c each.

- FLOWER OF FAIRFIELD—Ever-blooming crimson rambler, brilliant crimson, base of petals white, flowering in great profusion perpetually throughout the season. Flower of Fairfield is a true, ever-blooming, Crimson Rambler, a splendid grower and a great improvement over the old type.
- PHILADELPHIA RAMBLER—An improved type of the favorite Orimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double, borne in great profusion, much earlier than the old type; vigorous, luxuriant foliage, not so susceptible to mildew.
- VEILCHENBLAU (Blue Rambler)—This is the Blue Rambler which created such a furore in Europe. It is a seedling from Crimson Rambler with semi-double flowers produced in very large trusses. The flowers first open pink, but quickly change to a violet, or steel blue. Totally distinct and a wonderful rose for pillar and porch decoration.

- **DOROTHY PERKINS**—Polyanthus type; color a beautiful bright shell pink; flowers large, very double; petals prettily crinkled; blooms in large clusters of 30 to 40; a splendid keeper.
- RED DOROTHY PERKINS—In this grand new sort we have a fine crimson rambler, but with the glossy green foliage of Dorothy Perkins, therefore never troubled with mildew. Flowers very double, in immense lasting clusters.
- TAUSENDSCHON—A lovely shade of soft pink, free blooming; a vigorous climber with splendid foliage.
- YELLOW RAMBLER—Same type and growth as Crimson Rambler, except for color, which is a pure, bright yellow.
- WHITE DOROTHY—As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, snow white flowers. This rose, we believe, will become a fixture in the list of climbing roses.

Alphabetical List of Roses

P	rice l	Page	1	Price	Page	Pri	ice P	ane
Admiral Ward\$1	1.00	36	Henrich Munch	80 40	39			39
American Beauty	.35	40	Hon. Ina Bingham	. 35	40		. 50	38
Augustus Hartman	.75	36	Hoosier Beauty		37		. 50	38
Austrian Copper	. 50	39	Hugh Dickson	.35	39		.35	39
Autumn Tints	. 50	36	H. V. Machin	. 75	37		.35	39
Avoca	. 35	40	Irish Elegance	.40	39		.35	39
Baby Ramblers	. 35	38	Irish Fireflame	. 60	39		.35	40
Baroness Rothschild	.35	39	Irish Simplicity	. 50	39		. 35	39
Belle Siebrecht	. 35	40	Jean De Arc	. 35	38		.35	40
Bessie Brown	. 35	40	Jessie	.35	38	Marquis de Sinety	. 50	38
Betty	. 35	40	J. B. Clark	. 35	40	Melody	.50	38
British Queen	. 50	38	Jonkheer J. L. Mock	. 40	39		.40	39
Capt. Hayward	. 35	39	Joseph Hill	. 40	39	Mme. Leon Pain	.35	40
Cecile Brunner	. 35	38	Juliet	.50	38	My Maryland	. 35	40
Clara Watson	. 35	40	Kais. Aug. Victoria	. 35			. 25	37
		41	Katherine Ziemet	. 35			.60	37
Conrad F. Meyer	. 35	39	Killarney	. 35	40		. 75	37
	1.00	37	Lady Alice Stanley	. 50			.35	38
Countess Clanwilliam.	.75	36	Lady Ashtown	. 35			.35	40
Countess of Gosford	. 35	40	Lady Battersea	. 35			.35	39
Countess of Shaftesbury	. 50	38	Lady Hillingdon	. 50			.35	40
$ Dean Hole \dots \dots \dots $. 35	40	Lady Mary Ward	.75	37		.35	38
Dorothy Page Roberts	. 40	39	Lady Roberts	.40			.40	39
Duchess of Sutherland	.75	37	La Detroit	.35			.35	40
Duchess of Wellington	. 50	38	La France	.35			. 35	40
Edith Part	. 50	38	Le Progress	.40			. 35	40
Edward Mawley	. 50	38	Louise Cath. Breslau	. 50			.35	39
Erna Teschendorf	. 35	38	Lyon	. 50	38		.25	37
Etoile de Lyon	. 35	40	Los Angeles	2.00			.75	37
Florence Pemberton	. 35	40	Mad. Abel Chantenay	. 35			. 50	38
Farben Koenigin	.40	39	Mad. Car. Testout	. 35			.75	37
Franz Deegan	. 35	40	Mad. Edouard Herriott	. 60			. 35	40
Frau K. Druschki	. 35	39	Mad. Melaine Soupert	. 50			. 35	40
Gen. Jacqueminot	. 35	39	Mad. Phillippe Rivoire				.35	40
Gen. McArthur	. 35	40	Mad. Ravary	. 35			. 35	40
George Dickson	. 60	37	Mad. Segond Webber.	. 40			. 50	38
George Elger	.40	38	Mrs. Aaron Ward	. 50			.35	39
Gloire Lyonnaise	. 35	39	Mrs. A. R. Waddell	.40			. 35	40
Gruss an Teplitz	. 35	40	Mrs. Chas. E. Allan	. 50			. 35	40
azadicj	1.00	37	Mrs. Cornwallis West.	. 50			.35	40
Harry Kirk	.40	39	Mrs. David Járdine	.40	39	White Maman Cochet.	. 35	40
**	1983 A	on An						=



Moss Roses

These old fashioned Roses are coming into favor and we offer the following as best of their colors. Price, each 35c; dozen \$3.00

BLANCHE MOREAU—Flowers pure white, large, sweetly perfumed. Best white Moss Rose.

CHAPEAU DE NAPOLEON-Splendid rich red, best of its color.

CRESTED MOSS-Bright rose, light edging, well mossed.

EUGENE GUINOISSEAU—Beautiful dark red.

GLOIRE OF MOSSES-Bright pink flowers, delightfully fragrant. One of the most popular mosses.

SALET-Color, lovely satin rose; very full and of great beauty; one of the best.

"How to Grow Roses"

A little book for Rose lovers

Free on Request

Standard, or Tree Roses

PRICE: Tree or Standard Roses, \$1.00 to \$1.50 each, according to size of head.

Tree roses are budded, or grafted on hardy rose stocks about four They soon make good sized heads, forming a small tree; especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Order any color or variety you wish and we will send it or give you as good a substitute as possible. We aim to have the following var-

ieties in stock:

Dean Hole Mad. Ravary Betty Cii Cecii Brunner Franz Deegan Lyon La France K. A. Victoria

Mad.Caroline Testout F. K. Druschki Uirich Brunner Grus an Tepiitz **Papa** Gontler Perie des Jardines Maman Cochet **Maman Cochet White** Mrs. Jno. Laing

Baby Rambier Hugh Dickson Gen. Mc Arthur Dorothy Perkins Mad. Abel Chatenay

Miscellaneous Florists' and Nurserymen's Supplies

PLANT STAKES .- Round cedar, painted green, white tops.

3 ft., 80c doz.; 3 1/2 ft., 85c; 4 ft., \$1.00; 5 ft., \$1.50; 6 ft., \$2.25.

PENCILS.-Indelible, nickle tip, for marking Each, 15c

OREGON MOSS .- We have this gathered, dried and put up in bales of about 100 lbs. each for florists' and nurserymen's use. Write for price by ton or carload. Per ib., 5c; 100 lbs., \$3.00

WIRE DESIGNS .- Every description. List on [request. WIRE HANGING BASKETS.-8 in., 20c; 10 in., 25c; 12 in., 30c; 14 in., 50c

MASTICA -- For Glazing New or Old Greenhouses. - One gallon will cover about 290 running

feet (one side). Weight, 17 lbs. pkd. Per gailon, \$1.50 MASTICA GLAZING MACHINE. - Weight, 21bs.

Price, \$1.50 PUTTY BULBS.—Very convenient for applying Wt., 1 lb. liquid putty in glazing greenhouses. Price, \$1.25

TREE LABELS .- Painted iron wire.

Per 100, 15c; per 1,000, 95c

Unpainted iron wire. Per 100,15c; per 1,000,85c Painted copper wire. Per 100.20c; per 1,000, \$1.20 Unpainted copper wire. Weight pkd., 4 lbs. per 1,000. Per 100, 20c; per 1,000, \$1.05

Wooden Labels

POT LABELS .- 4-inch. Plain, per 100, 15c; 1,000, 70c

Painted, 1,000, 85c. Wt. pkd., 4 lbs. per 1,000. 5-inch. Plain, per 100, 29c; 1,000, 85c Painted, 1,000, \$1.05. Wt. pkd., 6 lbs. per 1,000. 6-inch. Plaln, per 100, 20c; 1,000, \$1.25 Painted, 1,000, \$1.45. Wt. pkd., 9 lbs. per 1,000. 8-inch. Plain, per 100, 30c; 1,000, \$1.50 Painted, 1,000, \$1.80. Wt.pkd.,11 lbs.per 1,000.

TIN FOIL--Fiorist.-Regular stock. Per ib., 15c

GLAZING POINTS--Peerless.—Best point made. No raising up when driven-no rights, no lefts, no sliding, no trouble to apply; cheap, indestruc-Once used always used. 1,000 in box. Wt., 2 lbs. Price, 75c

Add postage at zone rate if ordering by mail

Highest Grade

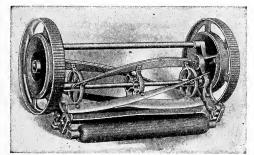
Cycle Lawn Mowers

Fully Guaranteed

Stationary, draw-cut blade, self sharpening, protected from rocks, nails, etc., keeps the mower close to the turf on uneven ground-cuts all the grass right the first time over.

PRICES AND SIZES

14 in. cut,	8 in. wheel, 4 blades\$	5.65
16 in. cut,	8 in. wheel, 4 blades	5.95
14 in. cut,	9 in. wheel, 4 blades	6.50
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14 in. cut,	10 in. wheel, 4 blades	7.50
16 in. cut,	10 in. wheel, 4 blades	7.85
18 in. cut,	10 in. wheel, 4 blades	8.35
14 in. cut,	11 in. wheel, 5 blades	9.75
16 in. cut,	11 in. wheel, 5 blades	0.95
18 in. cut,	11 in. wheel, 5 blades	2.00



"Cyclemowers" are made of Crucible Steel

Flower Pots

We carry a large and complete line of standard red clay Flower, Fern, Azalea Pots, Bulb Pans and Hanging Baskets and can make prompt deliveries at right prices.

Florists, nurserymen and growers should send list of requirements for Special Prices. FLOWER, FERN, AZALEA POTS OR BULB

PANS ALL SAME PRICE. Size Each Dozen Saucers 2-inch..... \$0.02 \$0.20 Each .30 .03 3-inch....... 4-inch..... .04 .40 \$0.03 .04 5-inch07 .70 6-inch..... .10 .90 .05 1.20 .07 1/2 7-inch...... .12 8-inch...... .15 1.75 .10 9-inch...... .25 2.50 .15 10-inch..... .40 .20 12-inch..... .60 .35 14-inch..... 1.50 1.00 2.25 1.25 16-inch.... HANGING BASKETS

These are well made and are better than wire baskets, as plants do not dry out so quickly.

8-inch......Each \$0.30 Doz. \$3.00 10-inch..... .40 4.25 12-inch..... 6.50 -60





Foster Rose **Tubes**

For Rosarians and Cut Flower Exhibitors

FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose. Used at all English shows.

Price, each, 25c; doz., \$2.75

NOTE.—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen, are requested to send for special prices, stating number wanted.







Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

PLANTING AND CARE OF STOCK

WE use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," do not remove the buriap. Plant as received, only cut the string around the top, then loosen the buriap after the tree is set. If you cannot plant immediately on receipt, always heel" in the trees so their roots may be in contact with good soil.

Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windly situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage

the growing limb.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens.

In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. Be sure to Pack the Earth Solidly Around the Roots. The neglect of this important detail is responsible for many failures.

Deciduous Shrubs

ALTHEA—Rose of Sharon

· Flowers delicate, bell shaped, blooming at different times during summer.

Choice named varieties, 3 to 4 feet, 50c and 75c GRANDIFLORA SUPERBA-Double, delicate blush, carmine center.

ELEGANTISSIMA—Double white.

MEEHANI—Leaves variegated, single lilac-pink flowers.

DOUBLE RED OR WHITE. Each, 50c FLOWERING ALMOND

PINK—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. 2 feet, 50c

WHITE-Same, though white flowers. Each, 50c AZALEA MOLLIS

Very bushy, a young and proficient bloomer. Colors, red, orange and yellow.

15 to 18 inches, 75c to \$1.00

AZALEA

NATIVE—White or light pink. 15 to 18 inches, \$1.00

BERBERRY

PURPLE LEAVED—Having purple foliage, very Clump, 25c each pretty. CURRANT

FLOWERING-Graceful flowers and berries red. Very desirable for shady spots. 3 to 4 feet, 50c

HYDRANGEA PANICULATA GRANDIFLORA-One of the most desirable flowering shrubs; attains a height of 4 to 5 feet, flowering from July to November, bearing immense panicles of bloom, a foot or more in length; color, creamy white with pink flush. Prune back in early spring, about half of previous year's growth; flowers are borne on the new wood. Hardy everywhere; good for cemetery planting.

2 to 3 feet, each, 25c to 50c; 3 to 4 feet, 75c

Tree shaped, each, \$1.00

KERRIA

JAPONICA-The double yellow globe flower, a graceful shrub bearing a bright yellow double flower during early summer. 3 to 4 feet, 50c

HONEYSUCKLE

BUSH-Very beautiful. 3 to 4 feet, 50c. others, see vines.

DEUTZIA

PRIDE OF ROCHESTER—Tall, very beautiful. Flowers double white. 3 to 4 feet, 50c; 4 to 6 feet, 65c; 6 to 8 feet, 75c

ELDER

GOLDEN LEAVED-Foliage retains its bright golden color through the summer. 4 to 6 feet. 75c

EUONYMUS

EUROPEAN-Strawberry or Spindle Tree.small tree bearing medium sized scarlet berries. 4 to 5 feet. 50c

Spiraeas

ANTHONY WATERER-A handsome shrub, that blooms about the close of June; flowers red.

Clumps, each, 75c

BILLARDI-Produces fine, rose-colored flowers, and blooms nearly all summer.

Strong clumps, each, 60c PRUNIFOLIA, BRIDAL WREATH—The pretty double white flowers are in bunches of twos and threes, and usually expand about May 1.

Ciumps, each, 75c THUNBERGII-Of graceful habit; branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early.

Clumps, each, \$1.00 VAN HOUTTE—The grandest of all the Spireas. It is a beautiful ornamental for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer.

2 to 3 feet, 60c to 75c

Lilacs-Syringa Vulgaris

COMMON PURPLE—Very fragrant, an old favorite. 3 to 4 feet, 50c; 10, \$4.50

COMMON WHITE—Same as above, flowers white. 3 to 4 feet, 50c; 10, \$4.50 CHAS. X (Single)—A strong rapid grower;

trusses large and loose, color reddish purple.

MARIE LE GRAYE (Single)—Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER (Double)-Pale lilac.

PRES. GREVY (Double)—Magnificent, beautiful blue panicles; very large.

LUDWIG SPAETH (Single)—Very fine; trusses large; deep purple.

FILBERT

PURPLE LEAVED—Leaves and husks purple, very ornamental. Nuts good. 3 to 4 feet, 75c

FORSYTHIA (Golden Bell)

Most common; deep green foliage. Fine in partial shade. 3 to 4 feet, 50c

CALYCANTHUS—FlorIdus

Flowers reddish brown, sweet scented. Leaves broad, dark green, making graceful masses.

2 to 3 feet, 50c; per 10, \$3.50

NANDINA DOMESTICA RED. — Beautiful ornamental garden shrub with red coral-like berries in graceful panacles ripening about Christmas — hardy evergreen. Foliage, red at first and green at maturity; turning coppery red in winter.

2 to 3 feet, each, \$1.00

NANDINA DOMESTICA WHITE.-

2 to 3 feet, each, \$1.00

QUINCE FLOWERING (See page 46.)

MME. LEMOINE (Double)—White color; fine for winter forcing.

PRES. CARNOT (Double)—Fine, lavender, with white center, late flowering.

GRAFTED STANDARDS 6 feet, each, \$1.25
CHOICE PLANTS 5 to 4 feet, each, 75c

WEIGELIA

CANDIDA—Flowers white, bush tall and very graceful. 75c

ROSEA—Flowers light pink, shrub compact and shapely. 75c

EVA RATHKE—Flowers red, one of the best. Slightly dwarf. 75c

VARIEGATED—Leaves become silvery white. 75c

SNOWBALL

JAPANESE—Flowers pure white, delicate large globular heads, in May. 2 to 3 feet, 75c COMMON—Flowers globular, pure white, in May.

SMOKE TREE

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke.

3 to 4 feet, 75c to \$1.00

MOCK ORANGE (Philadeiphus)

GRANDIFLORA—Flowers large and slightly fragrant. Slender twig habit.

3 to 4 feet, each, 50c; 10, \$4.00

3 to 4 feet, each, 50c; 10, \$4.00

TAMARIX

JUNIPERINA—Ornamental tree with soft Juniper-like leaves, fine pink flowers. 3 to 4 feet, \$1.00

THUJA

SQUARROSA—Soft, fine-leaved lawn plant. Grows large; foliage compact.

2 to 3 feet, each, \$1.50

Evergreen Shrubs

ABELIA

A low-growing shrub of graceful habit, producing an abundance of white-tinted lilac, heather-like flowers throughout the entire summer and fall months. The beautiful glossy foliage is evergreen but Abelia requires some protection in severe climates. 50c to \$1.00

BROOM

SCOTCH--Branches drooping, covered in spring with bright yellow pea-shaped flowers. 3 to 4 feet, 50c

white FLOWERING—Same as Scotch; flowers white. 3 to 4 feet, 75c

SPANISH—Same as Scotch; upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer; larger, nicer flower; very desirable.

3 to 4 feet, 75c

Rhododendron

GRAFTED VARIETIES—Magnificent, June and July flowering, evergreen shrubs; the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson.

Choice plants, $1\frac{1}{2}$ to 2 feet and according to number of buds, \$1.50 to \$3.00

PONTICUM—Flowers purple, often spotted on the upper lobe, and freely produced in short terminal corymbs. Each, \$1.50

EUONYMUS

JAPONICA—Dense, upright; leaves dark green (hedge). 2 to 3 feet, 50c

VARIEGATED-Gold and silver. 2 to 3 feet, 50c

LAURISTINUS

Many white flowers in winter; fine hedge.

2 to 3 feet, each, 75c

LAUREL

PORTUGAL—Dwarfish, leaves dark green, flowers very sweet. 2 to 3 feet, \$1.25; 10, \$10.00

ENGLISH—Leaves broad, shining; flowers in clusters, creamy white. Purple berries. 2 to 3 feet, \$1.00

MAHONIA—Aquifoiia

OREGON GRAPE—Shining, purple, prickly leaves; bright yellow flowers; berries blue-black.

2 to 3 feet, 75c (Balled)

Privet (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

1-year-old plants, 12 inches, each, 5c; 50, \$1.75; 100, \$3.00

2-year-oid plants, 1½ to 2 feet, each, 10c; 50, \$3.50; 100, \$6.00

COTONEASTER

One of the most useful and popular ornamentals for low walls, rock work, terraces, etc. Foliage is small, of a rich attractive green, and in the Fall the plants are covered with bright red berries that remain for a long period. We offer three varieties:

Price, Choice Plants, 50 to 75c each.

HORIZONTALIS.—A dwarf trailing shrub with branches nearly horizontal, bearing brilliant red berries during Autumn and Winter. Splendid for rockeries, borders or low walls. The

small flowers are pinkish white.

MICROPHYLLA—Of graceful drooping vining habit and compact growth. More slender, with smaller leaves and branches, than Horizontalis. Specially adapted to use on tops of walls and rock work.

SIMONSI Of upright growth with small leaves; pink-white flowers and bright red fruit, which is larger and not borne as profusely as in the low

growing types.

JAPANESE ORNAMENTALS

7 E import annually large assortments of Japanese Plants, Palms, Shrubs, etc., and would call attention to the splendid values offered in these interesting specimens.



VAR. CHABO-HIBA—Famous Dwarf tree of Japan, over 100 years old, grown in pots. This unique and interesting tree is perfectly hardy, good for porch or house use; is very ornate and striking; making it invaluable for decorative effects. Fine specimens in oriental jardinieres. Each, \$5.00 to \$10.00

Aucuba

JAPONICA—Japan evergreen, with shining evergreen foliage Each, 75c to \$1.00 and red berries.

JAPONICA VARIEGATA—Green and yellow foliage; very showy; fine for specimen plants on lawn. Large plants for immediate effect. Each, \$1.50 to \$2.50

Bamboo

This well-known ornamental plant, with graceful and almost evergreen foliage, thrives in sheltered situations, making fine lawn clumps. We have four varieties, all hardy. Strong clumps, 3 to 6 feet.

Each. 75c to \$1.50

Each, 75c

Berberry-Japanese

rich dark color.

B. THUNBERGII— From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful red in autumn; good hedge 2 to 3 feet, each, 60c to 75c.

Camellia

JAPONICA—Very beautiful, winter flowering evergreen; the handsomest, shining, dark green foliage and magnificent, wax-like flowers of various colors, render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate in the open ground, but should be planted in a shady place and protected the first year. We have these in three colors. Double White, Pink and Red. 1½ to 2 feet, each, \$1.00 to \$1.50

Daphne

ODORA—A very pretty early flowering shrub, producing pink flowers in March.

ALBA—Pure white.

2 feet, each, \$1.00 2 feet, each, \$1.00

Sciadopitys Verticillata

"UMBRELLA PINE"—The leaves are narrow, round and arranged in whorls of umbrella-like tufts; is especially adapted for porch or lawn decoration. 2 feet, each, \$1.50

Maple (Japanese)

ATRO-PURPUREUM—Large palmate leaves; deep rich maroon color.

ATRO-PURPUREUM VAR - Bright crimson; deep maroon markings.

ATRO-DISSECTUM—Deeply fringed thread-like

green leaflets; drooping habit. OSAKA-ZUKI—Large leaved, SAKA-ZUKI—Large leaved, palmate, bright maroon changing in Autumn to blood red.

NISHIKIGASANE - Palmate green foliage, with yellow variegations.

WASHINO-O—Long, thread-like leaflets deeply serrated. Select well rooted stock.

Each, 75c to \$1.50

Hydrangea

HORTENSIS BLUE-Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil.

Strong clumps, each, 75c HORTENSIS, PINK-Fine truss, pure pink.

Each, 75c

Quince

JAPONICA (Japan Flowering)—Remarkable for the brilliancy of its blossoms, which vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but is not edible. 2 to 3 feet, each, 60c to 75c

ALBA—A very beautiful variety, with delicate, LBA—A very bounds white and blush flowers. 3 to 4 feet, 75c to \$1.00

Syringa JAPONICA-Japan tree lilac, growing to a height of 30 feet; blooms late in June, bearing large pannicles of showy white flowers carried well above the foliage; leaves large and leathery,

Persimmon

JAPANESE—Highly prized for its delicious fruit. We import the Japanese variety called Hyakume. Fruit large and oblong; color bright red; ripens early in the fall. 4 feet, each, 60c to 75c

Magnolia

SALICIFOLIA—New species called fragrant Magnolia; pure white flowers. It emits a sweet aromatic scent, not only from the flowers, but stem and leaves; very hardy; should be in every collection. Each, \$1.50 to \$2.00

CONSPICUA—A Chinese species of great beauty. The tree is of medium size, shrub-like in growth while young, but attains the size of a tree in The flowers are large, pure white, very time. numerous and appear before the leaves.

2 feet, each, \$1.00; 3 feet, each, \$1.50 to \$2.00 OBOVATA—Exterior petals purple, veined with deeper color, white center. Each, \$1.00 to \$1.50 GRANDIFLORA—See page 49.

CryptomeriaOne of the finest evergreens of Japan; of both upright and drooping habit. We import a number of different varieties, all of which are suitable for lawn planting. Foliage mostly needle-like; end of branches soft and flexible.

1 to 2 feet, each, \$1.00 to \$2.50

Prunus

We import these direct from Japan. They are hardy, rapid growers, and produce early in the spring a profusion of handsome flowers of great beauty and fragrance.

PRUNUS MUME—The Flowering Plum. Double White or Double Red.

3 feet up, each, 75c to \$1.00 PRUNUS CERASUS -Handsome Flowering Japanese Cherry. 3 feet up, each, 75c to \$1.00

Kofugen.—Double pink, very striking variety. Okumiyako.-Semi-double deep pink; late flow-

ering variety. Ukon.—Greenish-yellow flower. Very rare sort.

Sekizan.—Deep pink. Very showy. PRUNUS PISSARDI—Flowering Plum. Wood and leaves dark purple.

3 feet up, each, 75c to \$1.00

Deciduous Trees

SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet. but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities. When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals

should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet off the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

ASH

AMERICAN WHITE-Broad, round head and dense foliage. Very fine. Each, 60c; 10, \$5.00

BASSWOOD (See Linden).

BEECH

PURPLE LEAVED-Foliage is deep purple in the spring, changing to crimson in the fall. 5 to 6 feet, each, \$2.00; 6 to 8 feet, \$3.00

AMERICAN—The nut-bearing beech.

Each, 75c; 10, \$6.00 FERN LEAVED-European variety, shrub-like and very beautiful for the lawn. 7 feet.

Each, \$1.50; 10, \$12.50

*BIRCH

EUROPEAN WHITE - Silvery white bark and slender drooping branches. 6-8 feet. Each, 75c; 10, \$6.50

CUT LEAVED—Delicately cut foliage, silvery white bark and drooping branches. 5-6 feet. Each, \$1.50; 10, \$12.50

CATALPA

Splendid trees with white flowers and bright' green foliage.

CATALPA BUNGEI-Forms a dense, round, um-Each, \$1.50 brella-like head. *CATALPA WESTERN (Speciosa)—Very rapid grower, fine as a quick shade.

Price, 7 to 8 feet, each, 75c

CRAB-FLOWERING

BECHTELS-Flowers pink and very fragrant. appearance a tree of roses. 3 to 4 feet, each, 75c

DOGWOOD—CORNUS FLORIDA

WHITE FLOWERING—Flowers white, 3 inches in diameter, blooming before leaves come in spring. Grows 20 to 25 feet high and is very showy. Price, 4 to 5 feet, each, 60c; 10, \$5.00

AMERICAN WHITE—A native of this section; a magnificent tree with drooping branches.

Each, 75c; 10, \$6.50

*CORK BARK—Desirable for street planting. Young branches very corky. Each, 50c; 10, \$4.50 PURPLE LEAVED—Leaves rich purple when young. Each, \$1.75

*LABURNUM (Golden Chain)

A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers.

5 to 6 feet, each, 75c

LARCH

Tree native, rapid growing. Each, 75c; 10, \$6.50

FRINGE TREE

Small; foliage dark green; bunches of pure white flowers in May. 4 to 6 feet, \$1.00

HAWTHORNE

DOUBLE SCARLET—Small tree with spreading branches and crimson flowers. Each, 75c to \$1.50

DOUBLE WHITE—Flowers small, leaves lustrous green color. 5 to 9 feet. Each, 75c to \$1.50

HORSE CHESTNUT

*WHITE-Foliage showy, flowers stand in upright panicles. Each, \$1.00 to \$1.50

*RED—Same flower as above; flowers red.

Each, \$1.00 to \$1.50

LINDEN

AMERICAN-Shapely and handsome, foliage Each, \$1.00; 10, \$8.50 large. EUROPEAN-Similar to American, leaf smaller. Fine. \$1.25

LIRIODENDRON-See Tulip tree.

LOCUST

*BLACK-Rapid grower; fine for street planting. Each, 75c; 10, \$6.50

HONEY-Rapid grower, a drought resister; fine for hedge or wind-break. Each, 75c; 10, \$6.50

MAGNOLIA-Acuminata, Cucumber Tree

Tall, pyramidal tree, showy leaves and yellowish Each, \$1.50; 10, \$12.50 white flowers.

MAPLE

ASH-LEAVED (Box Elder)—A rapid grower, fine street tree, foliage ash-like. 7 to 8 feet. Each, \$1.00; 10, \$8.50

VARIEGATED ASH-LEAVED MAPLE—These make handsome and attractive specimens for

Each, \$1.00 lawn or street plantings. *OREGON SOFT-A rapid grower, fine for avenues. Leaves large.

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00 *SYCAMORE-Tree large and spreading with handsome foliage.

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00 SILVER-A rapid grower, graceful and very beautiful; leaves silvery.

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00 *NORWAY-Large, growth compact; foliage deep green. Handsome.

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00 PURPLE LEAF SYCAMORE—Purplish green foliage, sycamore-like.

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00 SUGAR OR HARD-A rapid grower; popular in the East, a shapely tree with beautiful autumnal

6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00

*MOUNTAIN ASH

Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on tree most of winter. Each, 75c; 10, \$6.50

EUROPEAN-White flowers, then beautiful red Each, 75c; 10, \$6.50 berries. 6 to 8 feet.

MULBERRY

DOWNING'S EVERBEARING—A rapid grower with good fruit. Fine as a shade tree. 4 to 6 feet. Each, 75c; 10, \$6.50

*RUSSIAN-Of spreading habit and rapid growth. Each, 75c; 10, \$6.50 4 to 6 feet.

OAK

ENGLISH-Low growing, spreading habit and 75c; 10, \$6.50 rapid growth. SCARLET—Pyramidal shape, foliage changes to bright red in fall. Each, 75c; 10, \$6.50

PEACH-Flowering

Blooms in April, flowers highly colored and very Each, 4 to 6 feet, 50c; 10, \$4.00 attractive.

PERSIMMON

AMERICAN-Handsome tree with dense green Each, 50c foliage. Small fruit. 4 ft.

DECIDUOUS TREES—Continued

DODE AD

*CAROLINA-A very rapid grower. 6 to 8 feet. Each. 60c: 10. \$5.00

PRUNUS PISSARDI

Foliage and fruit entirely red. Plums very good quality. Very attractive.

Each. \$1.00: 4 to 6 feet. 75c

RHUS SUCCEDANEA

Wax or Tallow Tree. Poisonous. Grows 10 to feet. Leaves turn beautiful red in autumn, 15 feet. Flowers, yellow. Fruit, large white; very ornamental in garden. Seeds produce wax. 1 to 2 ft. Each, 75c

RHUS VERNICIFERA Varnish or lacquer tree. Grows 20 to 30 feet. Poisonous. Pinnate leaves turn brown in autumn. 1 to 2 feet. Each, 75c

SYCAMORE

AMERICAN-Has broad foliage and handsome 4 to 6 feet, 75c; 10, \$6.50 bark. EUROPEAN-Erect growing tree with mottled trunk. Foliage bright green.

Each, 75c; 10, \$6.50

TULIP TREE

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped.

Each, 6 to 9 feet, 75c to \$1.00

WALNUT-See Nut Trees.

Weeping Trees

ASH

EUROPEAN WEEPING—Splendid arbor tree. Each, \$1.25; 10, \$11.00 **ELM**

CAMPERDOWN WEEPING—Vigorous branches. forming a roof-like head. Each, \$1.50; 10, \$12.50 MAPLE

WIER'S CUT-LEAVED-Very handsome with cut foliage. 6 to 8 feet, \$1.50 MULBERRY

TEA'S WEEPING-Very graceful; branches long and slender drooping parallel to trunk. Each, \$1.50; 10, \$12.50

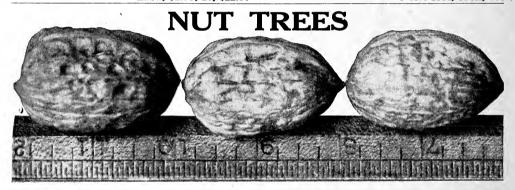
WEEPING WILLOW

KILMARNOCK—A distinct variety, having red-dish shoots and large, glossy foliage. They dish shoots and large, glossy foliage. make a most desirable and graceful drooping small tree for lawns.

6 feet and 2-year heads, each, \$1.00 to \$1.50

WISCONSIN-Large, glossy leaves and very pendulous habit. Each, 75c; 10, \$6.50

BABYLONICA OR COMMON-Well known common willow, with drooping branchlets. 5 to 6 feet, each, 60c



WALNUTS are a sure and profitable crop on the Pacific Coast, and we also urge their planting for shade and ornamental purposes. They grow rapidly, are free from pests, and are handsome and lasting. Only grafted trees should be planted as they yield heavier, the nuts are of better quality, and more uniform.

GRAFTED WALNUTS

We offer a splendid strain of Franquettes, the best variety for this section, grafted on four year California Black Walnut-sturdy, thrifty trees with big fibrous roots-the illustration shows nuts from the parent stock. Samples can be seen at our store.

PRICES—4 to 5 feet, each, \$1.25; 6 to 8 feet, each, \$1.50; 8 to 10 feet, each, \$2.00 Write for special prices in large lots. Mayette variety—grafted—same price

Seedling Walnuts

FRANQUETTE AND MAYETTE — Second generation, soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES-One-year-old, well-rooted, Each, 25c; 10, \$2.00; Two-year-old, well rooted, tops 2 feet up, 40c; 4 to 6 feet, each, 75c; 6 to 8 feet, 75c to \$1.00.

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. 4 to 5 feet, each, 50c to 75c

Filberts

BARCELONA-Magnificent large nut from Spain, Each, 35c to 50c DU CHILLY—The largest Filbert on Pacific Coast. Filbert of Pacific Each, 35c to 50c

Almond (Nut Bearing)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchard-We can supply most of the leading varieties at price listed. Special prices on large orders.

Choice trees, 3 to 5 feet, 50c

Chestnut

AMERICAN SWEET-Makes a handsome shade tree; full medium size, sweet and well flavored. 7 to 8 feet, each, 75c to \$1.00

SPANISH-Forms a handsome lawn tree and produces much larger fruit than the American variety. 4 to 6 feet, each, 75c; 7 to 8 feet, \$1.00

MAMMOTH JAPANESE—Imported; yields largest and best nuts. Each, 75c to \$1.00

PARAGON-Nuts large and handsome, sweet and of good quality. 4 to 6 feet, each, 75c to \$1.00

Evergreen Trees

THIS list includes trees that do not shed all their foliage at one time, thereby remaining green after the deciduous trees are bare.

ARAUCARIA

IMBRICATA (MONKEY PUZZLE)-A fine tree of regular pyramidal form; leaves bright green, broad, thick, pointed and overlapping each other. 2 to 3 feet, \$2.00

ARBORVITAE

*AMERICAN—Native, known as white cedar.
Foliage bright green, yellow-green underneath;
brown and bronze in winter. 2 to 3 feet, 75c

GOLDEN-Elegant; habit regular; foliage tinged with gold in spring. 2 to 3 feet, \$1.50

WEEPING-Weeping variety, branches pendulous and thread-like; foliage light yellowish green. 2 to 3 feet, \$1.50

AMERICAN VARIEGATED PYRAMIDAL Pyramidal form, foliage dark green.

2 to 3 feet, \$1.00 to \$1.50 ORIENTAL-Fine, with close ascending branches of a fan shaped appearance.

2 to 3 feet, \$1.00 to \$1.50 RED CEDAR—Native, with striking form and beautiful color. 2 to 3 feet, 60c; 10, \$5.00 ROX

Spiendid specimens, our own importation. BALL SHAPED, 10 to 15 inches

Each, \$1.50 to \$3.50

PYRAMID to 4½ feet, each, \$5.00 to 3½ feet, each, 3.50 to 3 feet, each, 2.50 2½ to 3

LOW STANDARD. Heads 12 to 18 inches in \$2.00 up diameter.

BOX PLANTS FOR HEDGES AND BORDERS 6 inch and over at from \$5.00 per hundred up. 10 to 15 Inches, each, 25c; 100, \$20.00

CEDRUS

DEODORA (Himaiayan or Indian Cedar)-Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower.

2 to 3 feet, \$1.50 DEODORA VARIEGATA (Variegated Cedar)— A fine tree, same as Deodora with silvery white tipped foliage. 2 to 3 feet, \$2.00

CYPRESS *LAWSON'S-Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. 2 to 3 feet, \$1.25; 10, \$10.00

LAWSON BLUE-Of slender habit with silvery 11/2 to 2 feet, \$1.00 foliage. ALLUMII - Very compact, upright grower;

color a bright blue. Each, \$1.00 LAWSONIANA DARLYENSSI - A strong grower; color a fine bright yellow. Each, \$1.50

WESSELII-This conifer distinguishes itself by its very graceful pyramid, compact and yet strong growth; color a fine blue. Each, \$1.50

WESTERMANNII-Same as Wesselii though more pendulous and drooping. Each, \$1.50

TRIUMPH OF BOOSKOOP-Strong grower; one of the bluest conifers in cultivation. Each, \$1.00 FIR

AMERICAN BALSAM-Prized for its delightful 11/2 to 2 feet, \$1.25 aroma.

EUROPEAN-Splendid; branches spreading, foliage broad and silvery. 2 to 3 feet, \$1.25 NORDMAN'S-Lustrous, deep green foliage; very

symmetrical. One of the best. 1 to 11/2 feet, \$1.25

WHITE—A fine spruce; rapid growth; very hardy.

Very attractive. 1½ to 2 feet, \$1.50 HEMLOCK

AMERICAN -- Very beautiful and appealing; branches pendant and foliage deep green.
2 to 3 feet. 75c: 10. 86.50 Holly—llex

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices.

ENGLISH (Aquifolia)—A beautiful lawn tree, with prickly, dark green foliage; grows moderately fast, and is covered during the winter months with bright red berries. One of the handsomest and most popular evergreen bushes we know of. Holly branches are cut and sold large quantities for holiday decorations. Prices: Berry-bearing trees, per foot, \$1.00; nice trees, \$2.50 to \$6.00; ordinary stock, per foot, 75c; nice trees, \$1.50 to \$3.00.

Variegated Hollies

The variegated varieties are remarkably handsome lawn plants. The leaves are variously marked with yellow or white. We offer the following distinct sorts:

GOLDEN MARGINED-Leaves splashed with pale green; narrow, but irregular; golden edge. Per foot, \$1.00 to \$1.50

SILVER MARGINED-Leaves long, dark green, slightly mottled, and with an irregular, narrowish silvery margin. Per foot, \$1.00 to \$1.50

LARGE SPECIMEN HOLLY TREES can be furnished with or without berries. Prices and sizes on request.

JUNIPER

IRISH-Pyramidal in form, foliage silvery gray; very striking. 1½ to 2 feet, \$1.00

SWEDISH-Similar to Irish, upright; one of the 11/2 to 2 feet, \$1.00 best.

COMMUNIS PFUTZERIANA—Graceful green foliage with horizontal branches, beautiful trailing evergreen. 4 to 6 ft., each, \$3.00; pair, \$5.00

CANADENSIS REVESIANA-Same as Pfutzeriana though taller and straight. 4 to 6 feet, each, \$3.00; pair, \$5.00

THUJA OCCIDENTALIS HOVEYI — Clear Each, \$1.50 green color; slow growing.

MAGNOLIA GRANDIFLORA

Choice well budded trees.

 $2\frac{1}{2}$ to 4 feet, each, \$1.00 to \$2.00 Large specimens, each \$3.00 to \$5.00

PINE

AUSTRIAN-Well known and widely planted, especially at seashore; growth rapid; quite hardy. 2 to 3 feet, \$1.00

SCOTCH-Robust growth; branches pendulous; leaves bluish green. 3 to 4 feet, 75c; 10, \$6.50 SPRUCE

*NORWAY -- A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. 2 to 3 feet, \$1.25

NORWAY VARIEGATED GOLDEN - Foliage 2 to 3 feet, \$2.00 golden yellow, vigorous.

COLORADO BLUE—The most beautiful of spruces; foliage silvery blue. 1½ to 2 feet, \$2.50

DOUGLAS—Somewhat similar to our hemlock; 2 to 3 feet, \$1.50 rapid grower.

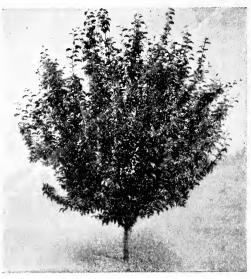
YEW ENGLISH—Slow growth, densely branched, head spreading, dark green leaves. 2 to 3 feet, \$1.00

IRISH-Upright, deep, dark green foliage. 2 to 3 feet, \$1.50

VARIEGATED-Same as Irish, but with part of foliage striped and margined with silvery white.

2 to 3 feet, \$1.50

FRUIT TREES, BERRY BUSHES



Type of Properly Pruned and Well Grown Fruit Tree.

IN THE purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits

and PLANTS

See page 44 for general notes on planting and care of stock

and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

KEEPING TREES OVER WINTER FOR SPRING PLANTING

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle: pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor

mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete. If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

Deliveries can be made from October until June, but orders are accepted at any time

APPLES

This is the year to plant Apple trees. Stocks were never better and prices are very low. The standards of production and markets are well established, making an apple orchard a safe investment. Write for quotations on large orders.

Prices of standard commercial varieties except where noted. Each.

Per 10 Per 100 Per 1000 \$125.00 \$2.00 \$15.00 14.00 110 00

SUMMER VARIETIES

EARLY HARVEST Medium size; bright straw color; tender and fine; good for table and cooking. July.

GOLDEN SWEET Large, pale yellow, tender and rich; good for cooking; fine bearer. August.

GRAVENSTEIN Large, beautifully dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous. August.

RAMBO Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid; very pro-

ductive. September to November. WAXEN

for delivery in Season.

Fruit medium; skin pale yellow; flesh erisp, tender, juicy, sharp acid; one of the best for drying. October.

PALL PIPPIN Yellowish green; good cooking apple. Sep-

RED JUNE

Medium, oblong, deep red; excellent for table use; one of the best early apples. RED ASTRACHAN

Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive. August.

YELLOW TRANSPARENT Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, subacid; good; bears at an early age. July.

AUTUMN VARIETIES MAIDEN'S BLUSH

Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking. September.

TWENTY OUNCE

Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. Octo-

AUTUMN VARIETIES—Continued

FAMEUSE

(Snow Apple.) Medium, roundish, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. October to December.

GOLDEN RUSSET Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. Sep-

tember.

GLORIA MUNDI Large green, fine sauce apple. Last of September.

WINTER VARIETIES

ARKANSAS BLACK

Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper. December to April.

ARKANSAS BEAUTY

A southwestern beauty of great promise as a market variety, and by many considered the most beautiful of all apples. A rich sub-acid of finest quality. Keeps till March.

BALDWIN

Large, rounded; deep, bright red; very productive; crisp, fine flavor; one of the best and most popular winter apples. November to February.

BEN DAVIS

Medium to large; yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; thrifty, upright grower. October to January.

BISMARCK

The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old. September.

CLAYTON

Winter; large, yellow, striped red; productive. December to January.

DELICIOUS

A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

GANO

Fruit is a bright red on yellow ground, large oblong, smooth. Tree vigorous and pro-lific bearer. Fine keeper. November to

GRIMES GOLDEN

Very popular. Rich golden yellow; flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to Decem-

HYDE'S KING OF THE WEST

Large to very large; handsome yellowish green; good quality; a remarkable keeper; a very popular sort in some sections. November.

Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. October to January.

KING

Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

KING DAVID

A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

LADY APPLE A novel, dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vig-

LAWVER

(Delaware Red). Large, rounded flat, mild sub-acid, very heavy and hard; dark red; handsomest late keeper. December to May.

MAMMOTH BLACK TWIG

Very large; bright red, pleasant sub-acid; fine late keeper; fine, vigorous tree. November to January.

McINTOSH RED

A seedling of the Fameuse; bright red, flesh white, very tender and delicious. Long lived and very productive. Adapted to Montana. November.

MULTNOMAH (New)
A grand new sort; a hybrid between the
American Pippin and Rome Beauty. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade.

NORTHERN SPY

Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for "top work." Requires good soil. December.

A cross between Wagener and Northern Spy. Fruit large to very large; flavor a brisk sub-acid, sprightly, slightly aromatic; season mid-winter to late.

Probably the handsomest apple ever introduced. Color light, shaded to a very dark crimson; skin smooth; susceptible of a very high polish reflecting objects like a mirror; flesh yellowish, tender, juicy and good.

ORTLEY, OR WHITE BELLEFLOWER

White fleshed, fine grained conical fruit of superior flavor; one of the best. December to April.

RED CHEEK PIPPIN

Excellent variety; sub-acid flavor; yellowish green color; red cheek; large size; good bearer. Keeps till March.

RHODE ISLAND GREENING

Large, greenish yellow; flesh yellow, ine grained, tender, crisp, juicy and aromatic; excellent for cooking and table. October.

WINTER APPLES-Continued

ROME BEAUTY

Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November to February.

ROXBURY RUSSET

Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. October to January.

SALOME

Early and annual bearer; very hardy; fruit medium and uniform; quality good. Novem-

SPITZENBERG

Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. November to March.

STARK

Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit; thrives in California. December to March.

STAYMAN WINDSAF

A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy and very tender and rich, sub-acid. A drougth resister; a profitable market variety. January,

TALMAN'S SWEET

Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous, productive. November to April.

Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid; excellent filler; requires thinning. October to December.

WINESAP

Medium yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider. December to April.

WEALTHY

Medium, whiteish yellow, shaded with deep red; flesh white, tender and juicy. October.

WINTER BANANA Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and sugges tive banana flavor. Not a good shipper. No-

vember.

WINTERSTEIN A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, subacid, highest quality, with a flavor all its

WOLF RIVER

Large and handsome; greenish yellow shaded with dark and light red; tree a strong grower and good bearer. September to November.

YELLOW BELLEFLOWER Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; suc-

ceeds well in this valley. October to January. YELLOW NEWTOWN PIPPIN Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties for export. December to May.

CRAB APPLES

Nice stocky trees, each, 25c; per 10, \$2.25

PLORENCE

Large, handsome; red striped; early; good annual bearer, juicy and crisp; fine for the home garden. September 1.

MARTHA

Glossy yellow, shaded to red; fine for cooking and fair for eating fresh; tree handsome, vigorous and hardy. September.

TRANSCENDENT

Very large, pleasant flavor and good for eider; yellow striped red. Very productive. Adapted to Montana. September.

THE LEWIS

apricot we have ever seen, and is perfectly hardy. Grown extensively in the "Good-

The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored

YELLOW SIBERIAN Fruit small, fine golden yellow. Good. August.

MYSLOP Large, deep crimson; tree hardy, fine for the West. November, January.

Yellow with scarlet cheek. Bears young and abundantly. September.

WHITNEY NO. 20 Tree thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.

APRICOTS

PRICES, except where noted: First Grade, 4 to 6 feet......

noe Hills'' district. July, August.

Each Per 10 Per 100 Per 1000 2.25 17.50

ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

BLENHEIM

Deep orange, sometimes blushed; tender, the and juicy. Tree vigorous. Good for rich and juicy. Pacific Coast. Last of June.

MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, August.

REMSKIRKE

Large, flesh bright orange; tender, plum like flavor. July.

DWARF FRUIT TREES

THESE are ideal for home gardens; come into bearing early and yield large crops of choicest fruits. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

Baldwin Wealthy Jonathan Bismarck DWARF APPLES
Yellow Transparent Rome Beauty

Gravenstein Red Astrachan

DWARF PEARS

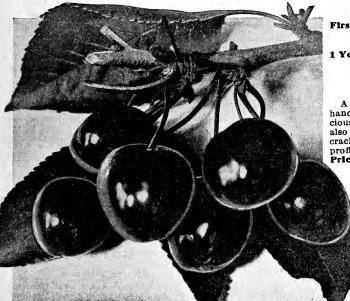
Bartlett, Fall Butter, Comice, Beurre de Anjou, L. B. de Jersey. Shelton Price, each, 35c; 10, \$3.25; 100, \$30.00

Dwarf Fruit Trees

Make profitable "fillers" for young orchards and are best for Home Gardens

Our stock is large—varieties and quality the finest.

CHERRIES



First Grade, 2 years

Each Per 10 Per 100 Per 1000 \$0.50 \$4.00 \$30.00 \$250.00

First Grade, 1 year, 4 to 6 feet-Each Per 10 Per 100 Per 1000 \$0.40 \$3.50 \$25.00 \$200.00 1 Year, 3 to 4 feet-

Each Per 10 Per 100 Per 1000 \$0.25 \$2.00 \$17.50 \$150.00

> New-ABUNDANCE (Burbank Production)

A seedling of Royal Anne; larger, handsomer, sweeter and more deli-cious than this great favorite, and is also said to be firmer and not to crack; ripens a week later, twice as profitable to grow as Royal Anne. Price, each, 1 year, 4 to 6 ft., 75c; dozen, \$8.00.

New-THE "BURBANK"

Luther Burbank describes this as the largest of all early cherries and unsurpassed in quality; a rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer. Foliage is large and so placed as to protect the fruit from rain and birds. 4 to 6 feet -select trees each, 75c; dozen, \$8.00.

LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

MAY DUKE

Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class. May.

MILLER'S LATE

This new cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable. August. Price, each, 60c

NEW GIANT Claimed by the originator to be equal in every way to the famous Lambert, but to possess the good points of being a larger and later cherry. A strong, vigorous grower; heavy Each, \$1.00; large trees, \$1.50 cropper.

ROCHALINE (Now) A new German cherry, larger and redder than the Royal Ann; better shipper and more prolific bearer. July.

BING Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety. July.

The New "Burbank"

BLACK EEPUBLICAN (Lewelling)
Seedling, raised by Seth Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late and a good shipper. June.

KENTISH (Early Richmond)
Dark red, juicy; one of the best sour cherries and unsurpassed for cooking purposes; very productive. Mid-May.

LATE DUKE Large, light red; late and excellent, sub-acid. Late July.

OREGON

Large, black, solid, free, vigorous and productive; a fine shipper. July.

ROYAL ANN (Napoleon Bigarreau.) A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.

PEACHES

Each Per 10 Per 100 Per 1000 \$1.75 \$125.00 \$15.00 1.35 12.50 100.00 EARLY ALEXANDER MAYFLOWER

One of the largest and best of the extra early varieties. Almost freestone. July.

EARLY CHARLOTTE Hardy, medium early, excellent flavor; originated in Oregon. Freestone.

EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

FOSTER

Large yellow, dark red on the sunny side; very rich, juicy and early; freestone. Late July.

LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow; juicy and melting; flavor rich and excellent; freestone; valuable for canning and drying. September.

MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Freestone.

Large, cream white, slightly blushed. Tree hardy; should be in every orchard. July. Freestone.

HEATH'S CLING

One of the best of the clings. Very large; creamy white, with slight red; flesh white. September.

TUSCAN CLING

Very large; yellow, blushed red. Vigorous and strong grower. July and August.

CROSBY

Medium; rich orange with slight red blush; freestone, pit small, flesh yellow, sweet and Good shipper; rank grower. Ripens juicy. before Crawfords Late.

KRUMMELL OCTOBER

A magnificent peach; very profitable. Ripens two weeks after Salway, but far better; a good keeper. Free from bitterness, very firm and fine texture. Tree vigorous, hardy. Good for State of Washington. Freestone.

SALWAY

Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet; a standard late peach, growing more and more in favor with orchardists; freestone. Late September.

PRUNES

F you can - Grow Prunes - the demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

PRICES: First Grade, 2 Years, Ea., 20c; 10, '\$1.80; 100, \$15.00.

First Grade, 1 Year, 4 to 6 feet, Ea., 15c; 10, \$1.35; 100, \$12.50. First Grade, 1 Year, 3 to 4 feet, Ea., 15c: 10.

\$1.25; 100, \$9.00.

Special prices in 1000 lots.

ITALIAN — Feliemberg — Large oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.

SILVER - Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent for drying or canning. September.

PETITE — French — Medium, egg shaped; vio-iet purple; sweet, rich and sugary; very productive; standard variety for drying. August.

GIANT - Largest prune known; fruit averaging 1 1/2 to 2 ounces each; retaining the good qualities of the smaller varieties.

HUNGARIAN - Very large; dark red, juicy and sweet; good shipper. August.

SUGAR — New — Tree vigorous grower; early variety; fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.

NEW STANDARD - (Burbank production) -Trees very large; gives enormous yield of large firm fruit; sweet, fine-grained and delicious; perfect free stone; skin purple. Price, each, 50c; 100, \$35.00

Where conditions are right Peaches are quick-growing, profitable orchard crop. There is always a ready market at a good price,



PLUMS PRICES except where noted: Each Per 10 Per 100 First Grade, 2 years. First Grade, 1 year, 4 to 6 ft.... \$18.00 15.00 .. \$0.25 \$2.00 . 20 1.75

- Fruit large and beautiful; bright ABUNDANCE cherry; flesh light yellow; juicy, tender, sweet; productive; freestone. June.

BRADSHAW - Reddish purple, juicy and pleasant; adheres partially to the stone. July.

COLUMBIA — Largest size, nearly globular; brownish purple : rich, sugary, freestone. August. DAMSON - Small oval, blush purple; flesh melt-

ing, rather tart. Tree very fruitful and hardy. August.

DAMSON — Shropshire — Medium size, dark purple; very firm; flesh greenish, juicy and rich. Vigorous. Late September.

MAYNARD - Dull red, large, round and firm; rich and sweet; sturdy, quick-growing, heavy-yielding variety; extra fine; ripens in July. Each, \$1.00. YELLOW EGG - Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy. August.

GREEN GAGE - Small round; flesh pale green, melting and juicy; freestone. Mid-July.

SATSUMA — Blood Plum—Quite popular, large.

dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

BURBANK — Medium; globular; cherry red, with

lilac bloom; flesh yellow; bears very young. Late

PEACH - Very large; skin brownish red, slightly coarse grained, but juicy; freestone; very popu-July.

WASHINGTON - A large plum; skin dull yellow, with a pale crimson blush; flesh firm; very sweet and lucious: freestone. Early August.

PEARS

We can supply all Standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

WINTER VARIETIES

Each

. 25

50 at hundred rate - 500 at thousand rate. First Grade, 2 Years\$0.35 First Grade, 4 to 6 feet, 1 year.....

Bartlett.

Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best Summer pear in existence. August, September. Seckel.

Rich and highly flavored: its highly concentrated spicy, honey flavor is unequaled; skin brownish green, russet brown cheek; flesh whitish, buttery and melting. September, October.

Beurre Bosc.

Large, beautiful, russety; highly flavored; fine for shipping. September.

Louise Bonne De Jersey.

Large, greenish yellow, brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific. October.

2.00 Beurre Clairgeau.

Per 10

\$3.00

Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery. juicy. September.

Per 100

\$20 00

17.50

Per 1000

\$175.00

150.00

Beurre D'Anjou

Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Fall Butter.

A favorite Fall pear; yellow, sweet and juicy. September. Comice.

A splendid commercial variety, being of fine size; good appearance; ships well. October.

See page 53 for DWARF PEARS.

ROOSEVELT (New)

Size very large, shape roundish. Flesh fine texture, juicy, melting. Ground color yellow, clouded with salmon rose. Season October. Price, each, 50c

LINCOLN CORELESS

Practically coreless; very late. Fruit should be picked when green. Large, quality good. Fairly hardy and good bearer.

CROCKER BARTLETT (New)

In shape, oblong, large and of a rich golden color. Skin rather thick but tender; flesh yellowish, buttery, juicy, sub-acid to sweet and very rich. Tree very vigorous, so far unblighted. October. Price, each, 50c; per 10, \$4.50.

WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit. Price, each, 50c; per 10, \$4.50.

BUERRE EASTER
Large, oval, yellow, with red cheek; excel-

lent winter pear,

WINTER NELIS Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

OUINCE

First Grade, 2 Years..... CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

APPLE OR ORANGE

Well known standard variety; early; large, golden yellow; good for preserving or flavoring. September.

Each Per 10 \$0.50 \$4.00 PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

NECTARINES

PRICES: 4 to 6-ft., each, 25c; 10, \$2.00; 100, \$17.50

EARLY VIOLET

Medium; skin pale, shaded violet; flesh white; good. July.

BOSTON Large, deep yellow, bright blush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

GRAPES

Prices except where noted:

If wanted in large numbers, write for prices

CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

DELAWARE

One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

MOORE'S DIAMOND

Bunches large; berry greenish white, flesh juicy and almost without pulp.

MOORE'S EARLY

Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

POCKLINGTON

Vine very vigorous, hardy and productive; bunch and berry of good size; color a light lemon yellow; flesh moderately tender, sweet. September.

WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.



CAMPBELL'S EARLY

Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

Price: 1 year, each, 20c; 10, \$2.25. Price: 2 years, each, 25c; 10, \$2.00; 100, \$15.00

McPIKE (Mow)

Bunches are large and compact; grapes of uniform extra large size of a blue black, covered with bloom. Ripens evenly and is of perfect quality; hardy everywhere. September.

Price, 2-year, 25c; 10, \$2.00

Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices

CURRANTS

Currants are a profitable easily grown crop, and the market is always good.

Prices except where noted.......Each, \$0.10; Per 10, \$0.75; Per 100, \$5.00; Per 1000, \$45.00

New Varieties

WHITE GRAPE

New Varieties PERFECTION

New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Strong Plants, each, 15c; 10, \$1.25; 100, \$10.00 POMONA

A splendid new red variety; good keeper; has the record for acreage yield. About the size of Perfection and comes a little later. Strong Plants, each, 15c; 10, \$1.25; 100, \$10.00

A splendid new black currant excelling in quality and productiveness. A hardy, vigorous, grower; the largest and best black currant. Strong Plants, each, 15c; 10 for \$1.25

White Currants

The best white currant known. To be classed with the Perfection red. Splendid for market and table use; berries large, having a rich flavor; mild sub-acid. Vigorous and very preductive.

Large, yellowish white, valuable for the table.

BLACK NAPLES

Very large, black, rich, tender and fine for jellies and wine. Productive and vigorous.

Standard Varieties

CHERRY

Very large; deep red; fine for preserving; valuable market variety.

FAY'S PROLIFIC

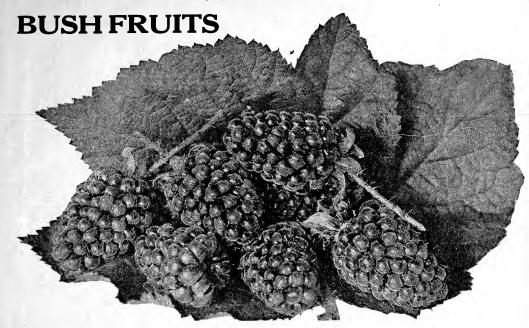
Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

NORTH STAR

Strongest grower among red varieties; bunches average four inches in length; extra quality; very productive.

VICTORIA

Large, bright red bunches, very long; an erect grower; late, productive and very valuable.



Logan Berry

Loganberries are in big demand and orders should be placed EARLY.

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed, and is excellent for jelly or jam. June.

Large, well-rooted plants: Prices: Two-year-old, 15c each; \$1.50 per doz., postpaid; by express or freight, \$1.25 per doz; \$7.50 per 100.

Burbank's Phenomenal

"Larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry. Easily grown; stands shipping well, and hardy everywhere.

Compared with the Logan the color and general form are much the same the first season, particularly if the growing conditions have not been favorable, but when once established they have no equal in size, quality or productiveness. July 1.

Prices: Two-year-old, 15c each; \$1.50 per doz., postpaid; by express or freight, \$1.25 per doz.; \$7.50 per 100.

BLACKBERRIES

BLOWERS

A new variety, said to be the best; very productive and a good shipper; exceedingly sweet. Ripens just after the Erie. July. Price, each, 15c; 10, \$1.00; 100, \$8.00; postpaid, each, 20c; per 10, \$1.50.

EVERGREEN

An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to 10 for \$1.00; 100 for \$7.50 November. Postpaid, each, 15c; 10, \$1.25

HIMALAYA GIANT

An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.

Postpaid, each, 15c; doz., \$1.50 Freight or Express, each, 10c: doz., \$1.00

LAWTON

Fruit large; very productive; well and favorably known; Oregon's most popular kind.

Each, 8c; 10, 60c; 100, \$4.00; 1000, \$30.00 Postpaid, each, 15e; 10, 75c.

NEW MAMMOTH

This wonderful new blackberry is a rampant grower of trailing habit. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 21/2 inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. July 1.

Two-year-oid, each, 15c; doz., postpaid, \$1.50 by express or freight, doz., \$1.25; 100, \$7.50

KITTATINNY

Large, roundish, conical, glossy black, juicy, sweet, excellent when fully ripe. July. Each, 8c; 10, 60c; 100, \$5.00. Postpaid, each, 15c; 10, 75c.

ELDORADO

A valuable new variety; fruit large, jet black, melting, sweet and rich; hardy and very productive; fine for Oregon.

> Each, 10c; 10, 90c; 100, \$7.00 Postpaid, oach, 15c; 10, \$1.25

Raspberries—Red Caps

Prices except where noted...... 2 years—Ea., .08; per 10, .75; per 100, \$4.00; per 1000, \$20.00

THE IMPROVED SUPERLATIVE

A New Berry of Great Merit

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor make the "Superlative," from the shippers' standpoint, a most desirable berry. It is firm, disease resisting, and earlier than Cuthbert. Price: Each, 15c; doz., \$1.40, postpaid; freight or express, 1 doz., \$1.00; 100, \$9.00.

CUTHBERT

Deep rich red, large and firm; one of the best market berries. Very strong, hardy and productive; ripens medium to late.

MARLBORO

Standard, light crimson, large, very firm; should be planted with Cuthbert as commercial variety; ripens early.

HERBERT

Three in one; splendid, large, bright red; strong grower and very productive; originated in Canada; should be tried by every planter. Strong Plants, each, 15c; 10. \$1.25

RASPBERRIES—Black Caps

Prices except where noted: Choice well rooted plants, each, 10c; per 10, 90c; per 100, \$6.00; per 1000, \$40.00.

CONBATH

The Best Early Blackcap

A black raspberry of superior quality, being ten days earlier than Gregg, coming in with the earliest reds. One-sixth of an acre of Conraths produced 38 24-pound crates, netting the grower \$75.

CUMBERLAND

Black; very large; similar to Gregg if not better.

KANSAS

Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

MITOMMAM

Black, good quality. Not yet thoroughly tested.

MUNGER

Black, very good, juicy and fine for home use.

GREGG

Of good size, fine quality; very productive and hardy. It takes the same position among black caps as Cuthbert among the red sorts.

PLUM PARMER

New; very promising as a table and market berry; large black, hardy and productive. Good quality. Strong plants, postpaid, each, 15c; 10, \$1.25. Express or freight, 10, \$1.00; 100, \$8.00.

GOOSEBERRIES

Prices except where noted Each, \$0.10; per 10, \$0.80; per 100, \$6.00; per 1000,\$50.00

OREGON CHAMPION

Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

HOUGHTON

Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

Each, 15c; 10, \$1.25; 100, \$12.00 RED JACKET (JOSSELYN)

Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Each, 15c; 10, \$1.25; 100, \$12.00

DOMNING

Large, light green; soft juicy and good. Vigorous and very productive.

INDUSTRY

Very large, dark red, of delicious flavor; the best of all English varieties. Bushes strong, upright and very productive.

Each, 20c; 10, \$1.75; 100, \$15.00

PEARL

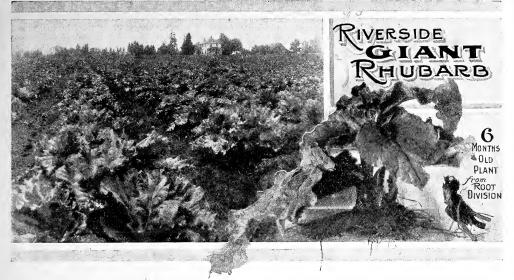
Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific. Each, 15c; 10, \$1.25; 100, \$12.00

Dewberry

ice...... Each, \$0.10; Per 10, \$0.75: Per 100. \$7.06

Very popular, trailing vine. Fruit large, soft, sweet and with no hard core. Hardy, good for this Coast. Last of May.

Large glossy black; delicious; heavy bearor; trailing vine. June.



RIVERSIDE GIANT RHUBARB is a cross between the California Wine Plant and Victoria Mammoth,—the famous private stock produced by Mr. A. R. Cummings of Canby, Oregon, that has been the leader in Portland and San Francisco markets for several seasons. Roots being offered for sale for the first time last season as heretofore Mr. Cummings has used all the stock for his own planting, but the market has grown to such an extent and the demand from growers for stock cannot be longer denied, so Mr. Cummings has arranged with us for the exclusive sale.

RIVERSIDE GIANT is unequaled for yield and quality, being crisp, tender, free from stringiness, with a good color and a delicious, distinctive flavor. The skin is so thin that it disappears in cooking. Riverside Giant has every good quality of a commercial rhubarb and is so vigorous and productive that over thirty-five tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made, the last one in July. Four men in six hours have cut over five tons from less than one-half acre on the fourth cutting.

No other variety of rhubarb is known in the Portland or San Francisco markets that has the uniformity and fine coloring, the flavor, the freedom from coarseness and stringiness, that has made Riverside Giant the leader, and we know of no other variety that has been produced in a large commercial way successfully, Mr. Cummings being the only man that has ever shipped rhubarb in car lots to the San Francisco market, sending as many as three a month in season.

Two cars of Riverside Giant Rhubarb were shipped to The Dalles for drying, and on the test proved to be the best variety for that purpose, containing more substance and not having a tough skin.

RIVERSIDE GIANT is not only the most productive and profitable hardy rhubarb, but is also the best yielding and finest in quality when forced of all forcing varieties. Full instructions and information on forcing will be sent on request.

We have the exclusive sale of this wonderful rhubarb and offer root divisions from the original stock. Each root will make a thrifty plant if properly cared for.

PRICE—each, 15c; dozen, \$1.25; \$8.50 per hundred, prepaid. Special prices on large lots.

Root divisions must be made from young healthy stock, cuttings from old roots will give poor returns.

BURBANK CRIMSON WINTER RHUBARB

A widely-advertised, forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not come true from seed. Root divisions, each, 15c; \$1.25 doz., postpaid; \$8.00 per 100. Root clumps, each, 50c; \$4.00 doz., postpaid.

VICTORIA MAMMOTH--STANDARD HARDY VARIETY

ONE-YEAR-OLD ROOTS--Postpaid, 8c each; 75c per dozen. By express or freight, 50c per dozen; \$3.00 per 100.

TWO-YEAR-OLD ROOTS--Postpaid, 15c each; \$1.25 per dozen. By express or freight, 85c per dozen; \$6.00 per 100.

If wanted in larger quantities write for special prices.

WAGNER'S GIANT

A larger, heavier yielding variety than the Crimson Winter. Our stock is locally grown from root divisions only and will be found true and uniform. Does not run up as many seed stalks as the Crimson Winter and in our experience has proven better in every way.

Price: Root divisions, each, 15c; \$1.25 doz.: \$8.00 per hundred, prepaid.

Price: Root Clumps, each 50c; \$4.00 per doz., prepaid.

FULL INFORMATION and cultural directions for growing Riverside Giant Rhubarb in the open ground, and for forcing, will be sent to all interested. Every home garden should have a few plants of this wonderful new rhubarb.

WE HAVE MADE THE PRICE of "RIVERSIDE GIANT" so low that you cannot afford to plant any other Rhubarb.



60

Big

Healthy

Grown

Plants.

Ask for

"Straw-

berry Culture."

Free Book,

Well

Care For and Feed Your Plants

Magoon.

competition

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting. This helps to control many evils. For helpful details of care and culture, see our **Strawberry** Booklet, 32 pages, sent free on request.

NEW OREGON **Our Own Introduction**

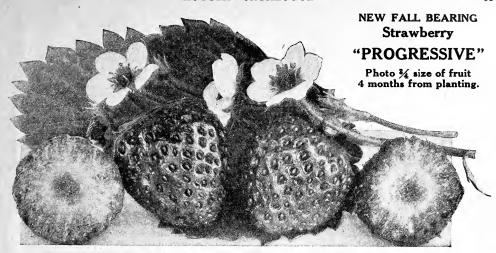
Best, Most Uniform and Heaviest Yielding Main Crop Strawberry

"NEW OREGON" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very

center, and, no matter how large, "NEW OREGON" is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"NEW OREGON" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season, which in some localities extends until frost.

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable



Fall or Everbearing Strawberries

The new varieties of Fall bearing Strawberries, also known as "Everbearing," are very satisfactory for home gardens and under some conditions will prove profitable commercially, but require special care and attention to secure best results as the late fruit will be small and yield less if the first blossoms are not removed and the plants are allowed to fruit early and continuously. When properly grown they are of splendid quality and yield heavily until frost. We offer "Progressive" and "Superb," the most popular varieties.

Progressive

The berries are shapely, of a rich, red color, firm and of delicious flavor. Good keepers and Progressive will bear as early as most varieties, but blossoms should be cut back about 4 weeks before the berries are wanted. In our experience Progressive is the best of the "Everbearing" varieties.

Superb

Considered by some as being the best of the everbearing, but in our experience they do not ship as well nor yield as heavily as the "Progressive" although they are a little larger when properly grown, and the quality is fully equal to that of the best of the standard sorts.

Per doz., 50c: 25 Plants, 75c: 100 plants, \$1.75, postpaid

Gold Dollar—Extra Early

No early strawberry we have ever known equals our special strain of "Gold Dollars."

Gold Dollar berries are large size, dark red all through, and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest, and are always in demand. They are sure, heavy croppers, keep up their size throughout the season, and command the highest prices. They are the handsomest, most prolific strawberry.

Magoon

Originated near Portland; berry large, fine and of excellent sub-acid flavor; bears heavily throughout the season; especially adapted to Western Oregon and Washington.

Progressive.....

Clark's Seedling

The berry that has made Hood River famous: best shipper, berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

Wilson

An old standard variety; a heavy bearer of fine, moderate-sized berries; sharp acid flavor and the leading sort for canning.

Marshall

One of the best all-round strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

Molinda

A large, firm berry of finest quality and rich coloring; firm and a good keeper. A variety very popular with California market growers, as it bears heavily through many seasons.

1.75

1.00

1.35

.60

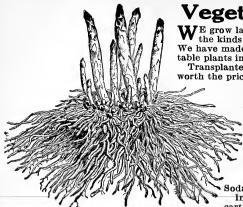
10.00 4.50

Price List of Plants By mail, postpaid F. O. B. Portland 100 Dozen 100 1000 \$0.30 \$1.00 \$0.60 \$4.50 Clark's Seedling..... .30 Gold Dollar.... 1.00 4.50 .60 Magoon.... .30 1.00 .60 4.50 Marshall.... 4.50 .30 1.00 .60 Molinda.... NEW OREGON—IMPROVED..... .30 1.00 .75 5.00 .30 1.00 .75 5.00

Wilson.... Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

.40

_30



Vegetable Plants

WE grow large quantities of vegetable plants, and can supply all the the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early. Transplanted plants are much stonger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C.O.D.

ASPARAGUS—Culture

ASPARAGUS ROOTS should be set in rows 3 ft. apart; plants 2 ft. apart in the rows, or can be planted 3 ft. apart each way and cultivated both ways. In planting run over the furrow twice, turning about 10 inches deep. Three inches of well rotted manure at the bottom of the trench; two inches of soil on top can be used. If commercial fertilizer is used, 8 inches is deep enough to trench, and one-half ton of Ground Bones with 100 lbs. of Nitrate of

Soda is a good formula. Drill this in and work it well into the soil. In planting spread the roots evenly, setting on a little mound of earth at the bottom of the trench. This gives them the right

position, covering with three inches of fine soil. This will leave ridges between the rows which during cultivation will be drawn toward the plant and at the end of the season the ground should be nearly level.

We offer the four leading varieties Argenteuil, Palmetto, Connovers Collossal, Columbian Mammoth White.

ONE-YEAR-OLD PLANTS--Postpaid, 25c doz., 75c per 50; \$1.00 per 100; by express or freight 20c dozen; 50c per 50; 75c per 100; \$6.00 per 1000 TWO-YEAR-OLD PLANTS--Postpaid, 40c per dozen; \$1.00 per 50; \$1.50 per 100; by express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

HORSE RADISH

HORSE RADISH has never been known to seed and must be grown from cuttings. Rich bottom land well manured is necessary.

The cuttings should be set in rows 3 ft. apart; plants 18 inches in the rows. Some growers plant a little closer. It requires from 8,000 to 10,000 sets to plant an acre. Cuttings should be set in the ground so that the top is about two or three inches below the surface, the bottom of the cutting being indicated by the slant; the top being cut square across, and it is necessary to plant the top up.

Postpaid, 5c each; 35c per dozen. By express or freight, 25c per dozen; \$1.50 per 100. Write for prices by the 1000.

Write for prices on large orders

	Postpaid	Вуе	xpress
CABBAGE	Dozen	100	1000
Early or late kinds, transplan	ted \$0.20	\$0.75	\$6.00
Not transplanted		.50	4.00
Add 15c per 100 for Cabl	bage Pian	ts by	mail.
	Postpaid	і Ву є	xpress
CAULIFLOWER	Dozen	100	1000
Early Snowball, transplanted	1\$0.30	\$1.25	\$8.00
Not transplanted		1.00	7.00

Late kinds, transplanted	30	1.00	7.00
Late kinds, not transplanted.		.75	6.00
Add 15c per 100 for Caulific	wer Plan	ts by	mail.
	Postpaid	1 By	Thress
CELERY	Dozen	100	1000
Leading kinds, transplanted.	\$0.30	\$1.00	\$7.00
Not transplanted		.50	5.00
	Postpaid	l By e	xpress
TOMATOES	Dozen	100	1000
Leading kinds, transplanted	\$0.30	\$1.00	\$7.00
Not transplanted		75	6 00

Hop Vines

ENGLISH CLUSTER-The best sort. Strong roots, postpaid, 5c each; 35c per dozen. By express, 25c per dozen; \$1.50 per 100. Write for prices if wanted by the 1000.

Spray Calendar—When to Spray, What to use

Insect or Disease.	Plant Attacked.	What to Spray With.	First Spraying.
Codling Moth	Apple, Pear	Arsenate of Lead	Just before calyx cups close.
San Jose Scale		Scalecide, Standard Sul-	
		phur Lime Solution	When leaves are off the tree.
Oyster Shell Bark Louse	Apple, mainly	Standard Sulphur-Lime So-	
		lution	When leaves are off the tree.
Peach Moth or Twig	Peach	Scalecide, 1 part to 20 parts	When the insects appear.
Borer.		water.	
Woolly Aphis	Apple	Scalecide, 1 part to 40 parts	
			When the insects appear.
Aphis	Roses and plants	Aphiscide, Nicoticide	Just as soon as the insects appear.
Cabbage Worm	Cabbage	Bug Death (non-poisonous)	
Cabbage Aphis	Cabbage	Scalecide, 1 part to 40 parts	
		water	When the insects appear.
Slug	Pear, Cherry, Peas		
	Roses	Thrip Juice, or Aphiscide	
Cottony Scale	Pear, Currant	water.	cottony (May).
Scab	Apple, Pear	Bordeaux	Just before blossoms open.
Blackspot Canker	Apple	Bordeaux, double strength.	Immediately after leaves
Leaf Curl	Peach		
		lution	
Mildew	Gooseberry	Potassium Sulphide, 1 oz.	
		to 2 gallons water	Just as buds burst.

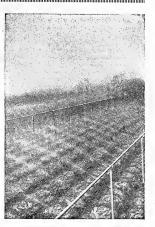


THE Skinner System gives you rain when you want it, in the form of gentle showers—produces large and perfect crops, doubling and trebling the yield—giving results no other method of watering can duplicate.

The illustration shows a Skinner System Sprinkling Line in operation. It consists of pipe, supported on posts in which is inserted a row of Silver Stream nozzles, three feet apart. These nozzles throw fine parallel sprays which break into a gentle mist before falling on the ground. By means of the union fittings shown below, the pipe can be occasionally turned and a strip fifty or sixty feet wide can be watered. Special nozzles, roller bearing hangers, a machine for drilling and tapping the pipe for nozzles, the union fitting and automatic oscillating equipment can be furnished from our Portland stock.



give the most efficient service with the greatest economy of water and maintenance—are the easiest to install and least expensive of any watering system. Complete information and estimates on request.



Skinner System Sprinkling Lines.



Lawn Mist Sprinkler.

LAWN MIST SECTIONAL SPRINKLERS

Here is a sprinkler that waters grass on really scientific principles. Flower beds and borders too!

The water falls as a fine, soaking mist—as evenly as rain itself, yet so very gently that it doesn't knock off the most delicate flower petals, and does not pack the ground.

This time let's settle your lawn mist sprinkling troubles for good.

COMPLETE GARDEN SPRINKLING LINES

Single Sprinkling Line as shown above, but fitted with special quick acting couplings so that it can be easily put together or moved. Sold by the foot. Just the thing for a garden or flower garden. Complete, except posts to support it. Waters a strip 50 to 60 feet in width.

Let us show you how we can bury one of our sprinkling lines any place on your lawn so you can run the lawn mower right over it, no part of the line being visible.

SKINNER SYSTEM PORTABLE SPRINKLERS

LAWN MIST SPRINKLER that waters grass on really scientific principles—flower beds and borders too. The water falls as a fine soaking mist—as evenly as rain itself, yet so gently that it does not knock off the most delicate flower petals, and does not pack the ground. This time let's settle your lawn sprinkling troubles for good. Simple, durable, no moving parts, waters uniformly, distributes a fine mist, easily moved, built in sections which can be used singly or together.

LAWN MIST--Fifteen Foot Section waters twenty feet wide by eighteen feet. Price, \$9.85 PEACOCK--Twelve and a half foot Section waters sixty feet wide by fifteen feet, \$12.50 Flexible Connections between two Sections used together. LAWN MIST.... Each, \$1.25 PEACOCK......Each, 1.25

Skinner System Portable Sprinkler on Stand

LAWN MIST JR. on stand instead of wheels. 12½ feet. Price, \$6.00

BORDER AND SHRUBBERY SPRINKLER, lawn mist type watering on one side only. 15 feet. Price, \$11.25 PEACOCK JR. on stand instead of wheels. 8 feet. Price, \$7.00

BORDER SPRINKLER JR. on stand, a very popular sprinkler. 9 feet. Price, \$6.00

Descriptive booklets and full information on all sprinkling equipment mailed on request. Send us a sketch of your grounds or houses and we will give you plans for a complete and economical watering system for any commercial or private requirement. Skinner systems are standard the world over with large commercial growers, private grounds, home gardens and every place where watering is needed. LET US SEND YOU A SPRINKLER ON TRIAL TODAY

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BERRY BOXES AND CRATES

Prices Right, Deliveries Prompt Let us supply you the splendid line of the Pacific Fruit Package Company

"DIAMOND QUALITY"



Fertilizers

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

The Base of "Diamond" Fertilizers is Bone Meal and Bone Tankage, to which is added the necessary Chemical Elements. No sand, earth, or other cheap filler is used. They are of guaranteed analysis, conforming to the standards required by the State Laws.

Prices and General Analysis

Fertilizer		Phosphoric	1	100	Per
rerunzer	Nitrogen.	Acid.	Potash.	lbs.	Ton.
General or Vegetable	1.75 to 2%	10%	.6%	\$2.10	\$40.00
Fruit and Onion	2 to 2.25%	8 to 10%	1.00%	2.25	42.00
Lawn	2.25 to 3%	8 to 9%	.6%	2.25	42.00
Pure Bone Meal	3.50 to 4%	18 to 20%		2.40	43.00
Animal Fertilizer (Bone Tankage)	5 to 5 ½%	11 to 12%		2.00	35.00
Super Phosphate		17 to 18%		1.40	26.00
Nitrate of Soda	15 to 15 ½%				
Blood Meal	10 to 12%	3 to 4%			73.00
Fish Guano	7.65%	7.55%			50.00
Sheep Guano	1.25%	1.35%			33 00

Write for prices on Nitrate of Soda

	POUNDS PER ACRE	FERTILIZER TO USE	WHEN TO APPLY
Apples			
Asparagus	100 to 500		
			Fall or Winter preferred, or early spring
Flower beds			Fall or Winter preferred, or early spring.
Grapes	400 to 800	Fruit	
Grass for lawns House plants			Apply fall or spring, broadcast. Directions on each package.
		Plant Food	•
Nursery stock			
Plants, flowering out-			Worked in the top soil when cultivating
	plant or broadcast		
Roses, etc			
Shrubs, trees, etc	$\frac{1}{2}$ to 3 lbs. per plant	Lawn	Fall, winter or spring.

Potash Cannot be supplied this year, as stocks must come from Europe.

PLANTING TABLES DISTANCES RECOMMENDED FOR PLANTING

Apples (Standard) 25 to 40 ft. each way Pears (Standard) 20 to 35 ft. each way Quince 15 ft. each way Peaches 18 to 24 ft. each way Plums 15 to 20 ft. each way Cherries 25 to 40 ft. each way	Currants	5 ft. x 3 ft. 36 in. x 18 in. 48 in. x 12 in. 8 x 8 to 10 x 12 ft. 4 x 1 ft.
Blackberries 6 ft. x 4 ft. Raspberries 6 ft. x 3 ft.	Rhubarb	

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES. In planting trees the greater distance should be given in the richer soils.

Square	Triangu-	Squar	e Triangu-
DISTANCE APART. Method	lar.	DISTANCE APART. Method	. lar.
1 foot apart each way 43,560	50,300	15 feet apart each way 193	223
2 feet apart each way10,890	12,575	16 feet apart each way 170	196
4 feet apart each way 2,722	3,143	20 feet apart each way 108	125
6 feet apart each way 1,210	1,397	25 feet apart each way 70	81
9 feet apart each way 537	620	30 feet apart each way 48	55
10 feet apart each way 435	502	40 feet apart each way 27	31

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the row; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre. RULE TRIANGULAR METHOD—Divide the number required to the acre "square method"

RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .366. The result will be number of plants required to the acre by triangular planting.

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LEWIS PLANTING BOARD

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When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a ½ inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board leaving the small stakes in the ground, dig the hole, replace the board over the stakes and set the tree in the notch, plant it in this position and your orchard will "line up" perfectly.



STRAWBERRY PLANTS

> ASPARAGUS AND RHUBARB ROOTS

BIG HEALTHY HEAVY ROOTED STOCK FROM YEAR OLD MOTHER PLANTS

REES <u>ond</u> EANNINE

